



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208

Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Wasco Products, Inc.
85 Spencer Drive – Unit A (P. O. Box 559)
Wells, Maine 04090

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Pinnacle HU Gabled Skylight and HU-OPY Octagonal Skylight

APPROVAL DOCUMENT: Drawing No. **06-063** titled "Pinnacle HU Gabled Skylight and HU-Opy Hurricane Resistant Octagonal Skylight", sheets 1 through 27 of 27, dated 06/24/10, Last revision #1 dated 06/24/10, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit jr., P.E., on 10/24/11, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **06-0816.05** and consists of this page 1 and evidence submitted pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
11/24/2011

NOA No. 11-0602..08
Expiration Date: 02/22/2012
Approval Date: 11/24/2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0816.05

A. DRAWINGS

1. *Manufacturer's die drawings and sections.*
2. *Drawing No. 06-173 titled "Pinnacle HU Gabled Skylight with L.M. Impact Resistant Laminated /Insulated Glass", sheets 1 through 15 of 15, dated 01/15/07 prepared by Tillit Testing & Engineering Company signed and sealed by Walter A. Tillit jr. P.E.,*

B. TESTS

1. *Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94*
 - 2) *Uniform Static Air Pressure Test, Loading per FBC TAS 202-94*
 - 3) *Water Resistance Test, per FBC, TAS 202-94*
 - 4) *Large Missile Impact Test per FBC, TAS 201-94*
 - 5) *Cyclic Wind Pressure Loading per FBC, TAS 203-94*

along with marked-up drawings of "Pinnacle HU Test units", prepared by American Test Lab of South Florida, Test Report No. ATLSF # 1107.01-05, dated 07/10/06, signed and sealed by William R. Mehner P.E.

C. CALCULATIONS

1. *Skylight Calculations and structural analysis, complying with FBC-2004, prepared by Tillit Testing & Engineering Company signed and sealed by Walter A. Tillit jr. P.E.*

D. QUALITY ASSURANCE

1. *Miami Dade Building Code Compliance Office (BCCO).*

E. MATERIAL CERTIFICATIONS

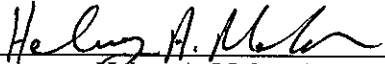
1. *Notice of Acceptance No. 06-1205.10 issued to E.I. DuPont DeNemours for "Sentry Glass Plus dated 01/14/07, expiring on 01/14/2012.*

F. STATEMENTS

1. *Statement letter of conformance to FBC 2004, dated January 15 2007, signed and sealed by Walter A. Tillit jr. P.E.*
2. *Statement letter of no financial interest, dated July 27, 2006, signed and sealed by Walter A. Tillit jr. P.E.*

G. OTHER

1. *None.*


Helmy A. Makar, P.E., M.S.
PERA, Product Control Unit Supervisor
NOA No 11-0602.08
Expiration Date: 02/22/2012
Approval Date: 11/24/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 06-063 titled "Pinnacle HU Gabled Skylight and HU-Opy Hurricane Resistant Octagonal Skylight ", sheets 1 through 27 of 27, dated 06/24/10, Last revision #1 dated 06/24/10, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit jr., P.E., on 10/24/11*

B. TESTS

1. *Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94*

along with marked-up drawings of HU-Opy Hurricane Resistant Octagonal Skylight, prepared by American Test Lab of South Florida, Test Report No. ATLSF # 0519.01-09, dated 07/02/09, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. *Skylight Calculations and structural analysis, 40 pages, complying with FBC-2007, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit jr., P.E., on 07/07/10.*

D. QUALITY ASSURANCE

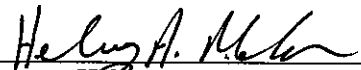
1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.*

E. MATERIAL CERTIFICATIONS

1. *Notice of Acceptance No. 06-1205.10 issued to E.I. DuPont DeNemours for "Sentry Glass Plus dated 01/14/07, expiring on 01/14/2012.*

F. STATEMENTS

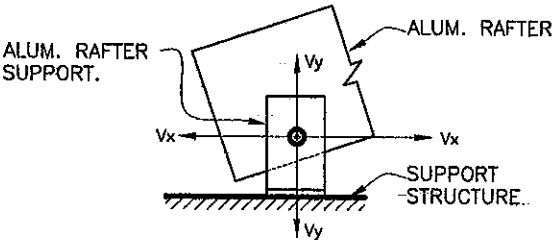
1. *Statement letter of conformance to FBC 2007, dated May 16, 2011, signed and sealed by Walter A. Tillit jr. P.E.*
2. *Statement letter of no financial interest, dated May 16, 2011, signed and sealed by Walter A. Tillit jr. P.E.*



Helmy A. Makar, P.E., M.S.
PERA, Product Control Unit Supervisor
NOA No 11-0602.08
Expiration Date: 02/22/2012
Approval Date: 11/24/2011

PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED / INSULATED GLASS (VALID ONLY FOR SHEETS 1 THRU 15)

GENERAL NOTES:

1. PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED / INSULATED GLASS SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE. THIS SKYLIGHT MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN LIVE AND WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1616 AND 1620 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT FASTENERS AND ANCHORS ON THIS P.A.D. ARE NOT OVERSTRESSED FOR EVERY SINGLE APPLICATION OF THIS SKYLIGHT SYSTEM UNDER THE DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS SHALL NOT BE USED IN THEIR ANALYSIS.
- 1A. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR EVERY PERMIT. DRAWINGS MAY INCLUDE LARGER SKYLIGHT WIDTH, LENGTH AND RISE W/ CORRESPONDING LARGER CROSS SECTION RAFTERS & MULLIONS, BUT PRESSURE RATING AS WELL AS MAX. GLASS PANEL SIZE SHALL NOT EXCEED THOSE INDICATED ON THIS DRAWING. (SEE NOTES 2 AND 11 RESPECTIVELY) THIS P.A.D. COVERS GABLE SHAPE SKYLIGHTS. OTHER SHAPES/CONFIGURATIONS W/ SLOPED GLASS MAY BE ALSO ACCEPTED, PROVIDED THAT ABOVE MENTIONED CONDITIONS ARE COMPLIED WITH. THE DESIGN OF LARGER COMPONENTS FOR LARGER SKYLIGHTS SHALL BE PERFORMED BY A FLORIDA P.E. AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS. (SEE NOTES 3 & 20).
2. DESIGN PRESSURE RATING AT ROOF IS: +80.0 psf (WINDWARD SIDE), -80.0psf (LEEWARD SIDE). DESIGN PRESSURE RATING AT WALL IS: +80.0, -80.0 psf. DESIGN PRESSURE RATING AND LARGE MISSILE IMPACT RESISTANCE OBTAINED THRU TESTING AS PER SECTION 1626.2 OF THE FLORIDA BUILDING CODE, PER PROTOCOLS TAS 201, 202, 203, PER AMERICAN TESTING LABORATORY REPORT # 1107.01-05. WATER AND AIR INFILTRATION TESTING HAS BEEN PERFORMED AS PER PROTOCOL TAS 202, QUALIFYING ASTM E 331 AND ASTM E 283 RESPECTIVELY.
3. STRUCTURAL ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS IS NOT PART OF THIS P.A.D. STRUCTURAL DESIGN OF THE STRUCTURE THAT WILL PROVIDE SUPPORT TO THIS SKYLIGHT SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PROJECT. STRUCTURAL DESIGN SHALL INCLUDE AND TAKE INTO CONSIDERATION THE ACTUAL V_x AND V_y LOADS TRANSFERRED FROM THIS SKYLIGHT TO THE SUPPORT STRUCTURE, BASED ON DEAD, LIVE & WIND LOADS AND USING THE LOAD COMBINATIONS AS PER SECTIONS 2.3 OR 2.4 OF A.S.C.E. 7-05 STANDARD. ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS.
- 
4. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
5. ALL ALUMINUM SHEET SHALL BE ALUMINUM ASSOCIATION 1100-H14 ALLOY AND HARDNESS.
6. ALL SCREWS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES, WITH MIN. TENSILE LOAD CAPACITY $T_u=4275\#$ & MIN. ULTIMATE SHEAR LOAD CAPACITY $S_u=2700\#$, PER ASTM B-593 & B-594.
7. ALL ALUMINUM POP RIVETS TO BE 5056 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
8. BOLTS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES WITH 50 ksi Min. YIELD STRENGTH AND 90 ksi Min. TENSILE STRENGTH, PER ASTM B-593 AND B-594.
9. GLAZING SYSTEM SHALL COMPRISE OF THE FOLLOWING COMPONENTS:
- 9.1. 1/4"x5/8" TREMCO SGT 921 STRUCTURAL GLAZING TAPES MADE OF OPEN CELL HIGH DENSITY POLYURETHANE WITH A MICROCELLULAR STRUCTURE.
- 9.2. SANTOPRENE GLAZING STOP (1/4"x1 1/4"x4", MODIFY TO GLAZING), (2) PER BAY AT 1/4 POINTS AT LOCATIONS SHOWN ON SECTIONS.
- 9.3. STRUCTURAL SILICONE FOR GLASS SEALANT AT RAFTERS TO BE DOW CORNING 995 SILICONE STRUCTURAL ADHESIVE.

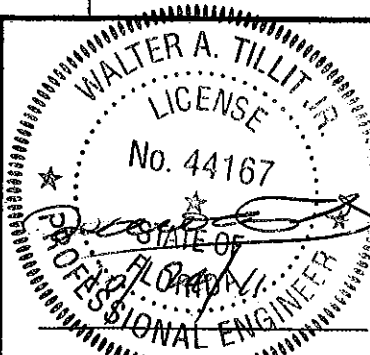
10. ALL FLASHING TO BE LAPPED AND SET ON A BED OF URETHANE SEALANT.
11. GLASS OPTIONS:
- (a) 9/16" LAMINATED GLAZING CONSISTING OF:
1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK MIAMI-DADE COUNTY APPROVED (NOA # 09-312.03) DUPONT SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.
- (b) 1 5/16" INSULATED GLAZING CONSISTING OF:
1/4" THICK CLEAR TEMPERED GLASS +1/2" AIRSPACE W/ ALUMINUM SPACER OVER 9/16" LAMINATED GLASS MADE WITH 1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK MIAMI-DADE COUNTY APPROVED (NOA # 09-312.03) DUPONT SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.
- (c) NOTES: MAX GLASS PANEL D.L.O SIZE IS 45 1/2"x94 1/2".
MAX GLASS AREA = 32.00 FT² BETWEEN SUPPORTS.
12. ALL WELDING TO CONFORM TO THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 2004 EDITION REGULATIONS. USE CERTIFIED WELDERS. USE ER-4043 (IF NOT ANODIZED FINISH) OR ER-5356 (IF ANODIZED FINISH) ELECTRODES.
13. ALUMINUM MEMBERS IN CONTACT WITH CONCRETE SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.4 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
14. ALUMINUM MEMBERS IN CONTACT WITH STEEL SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.2 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
15. ALUMINUM MEMBERS IN CONTACT WITH WOOD SHALL BE PROTECTED ACCORDINGLY WITH SECTIONS 2003.8.5 & 2003.8.6 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
16. PAINT, FINISH AND COLOR TO BE SELECTED BY ARCHITECT OF RECORD FOR THE JOB IN COORDINATION W/ WASCO PRODUCTS, INC. AND SHALL COMPLY WITH AAMA 1600 SPECIFICATION, SECTION 3.11.
17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE THIS SKYLIGHT IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. SEE NOTE 3 ABOVE. CONTRACTOR IS TO SEAL/CAULK W/ URETHANE SEALANT ALL SKYLIGHT COMPONENT EDGES AS INDICATED ON THIS DRAWING TO PREVENT WIND/RAIN INTRUSION.
18. SKYLIGHT INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
19. SKYLIGHT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:
WASCO PRODUCTS
SANFORD, MAINE.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.
20. (a) THE PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. PROFESSIONAL OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

SHEET INDEX:

- 1 THRU 15 OF 27: PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED / INSULATED GLASS.
- 16 THRU 27 OF 27: HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602-08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control


MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC.



TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

DRAWN BY:
I.A. / M.C.V.

WASCO PRODUCTS, INC.

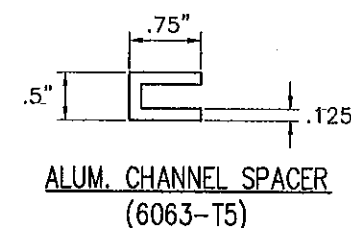
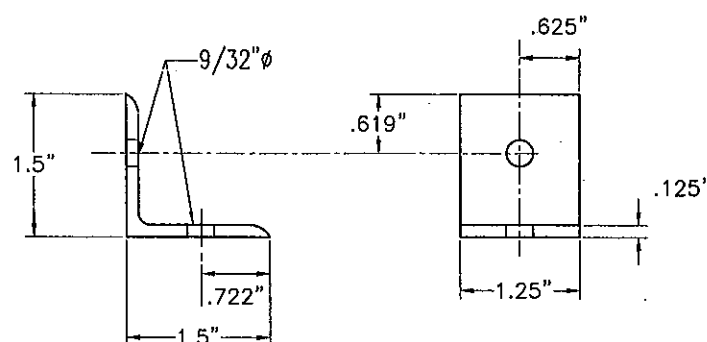
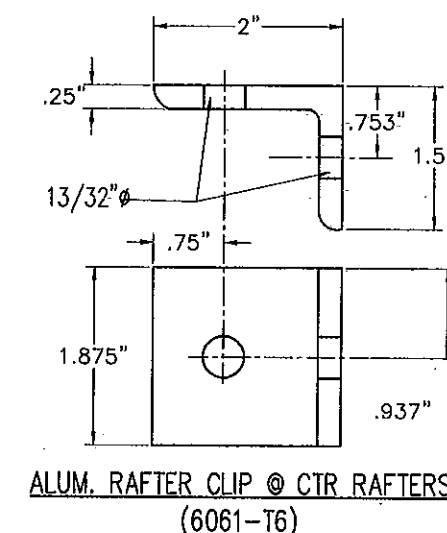
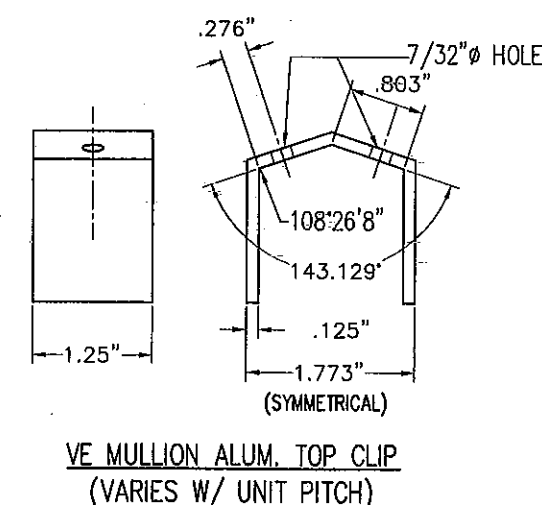
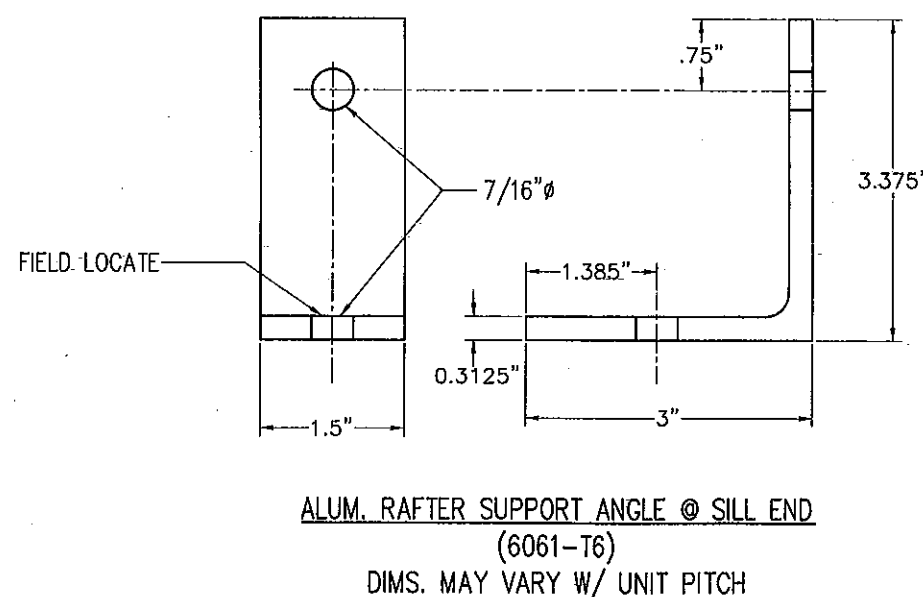
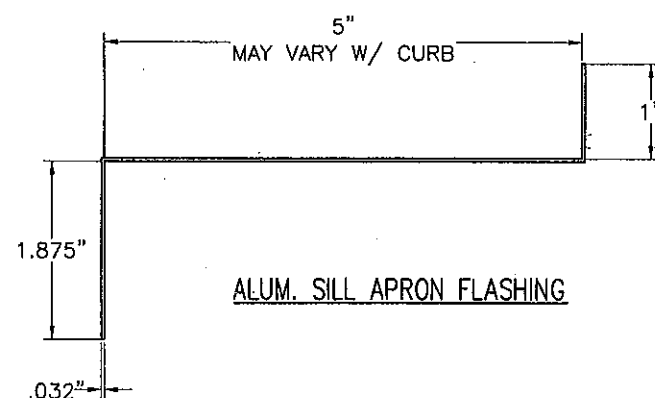
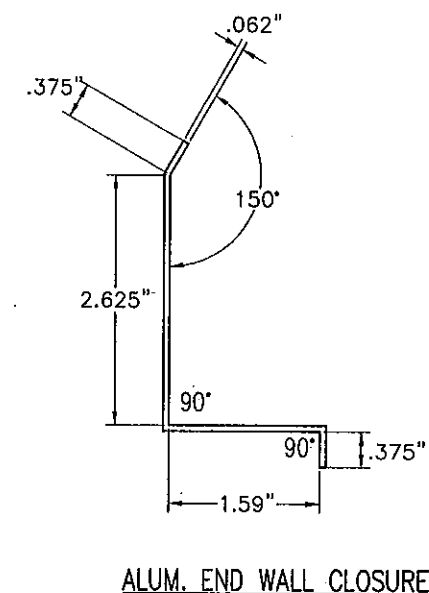
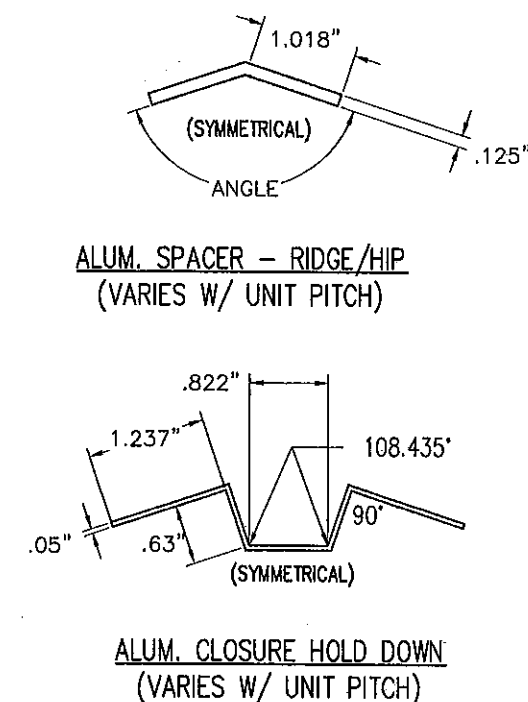
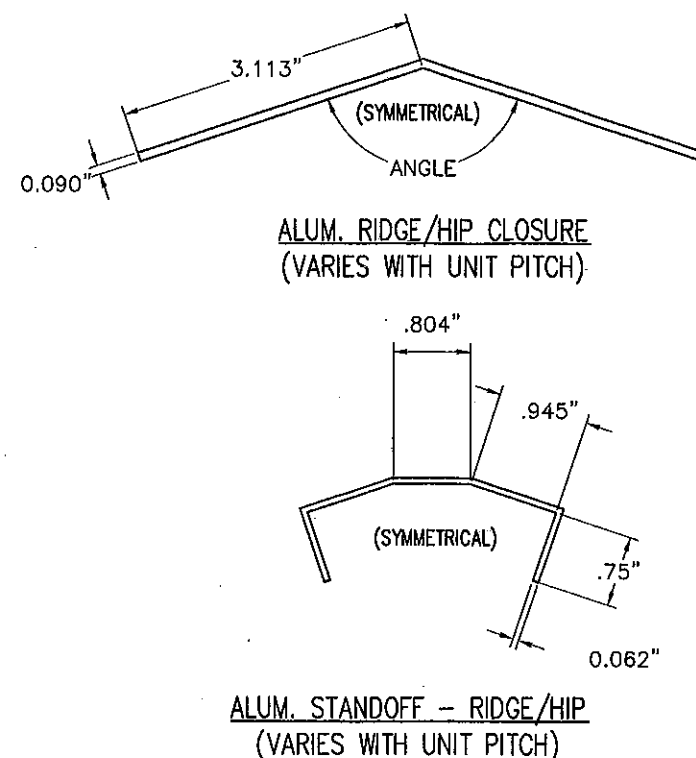
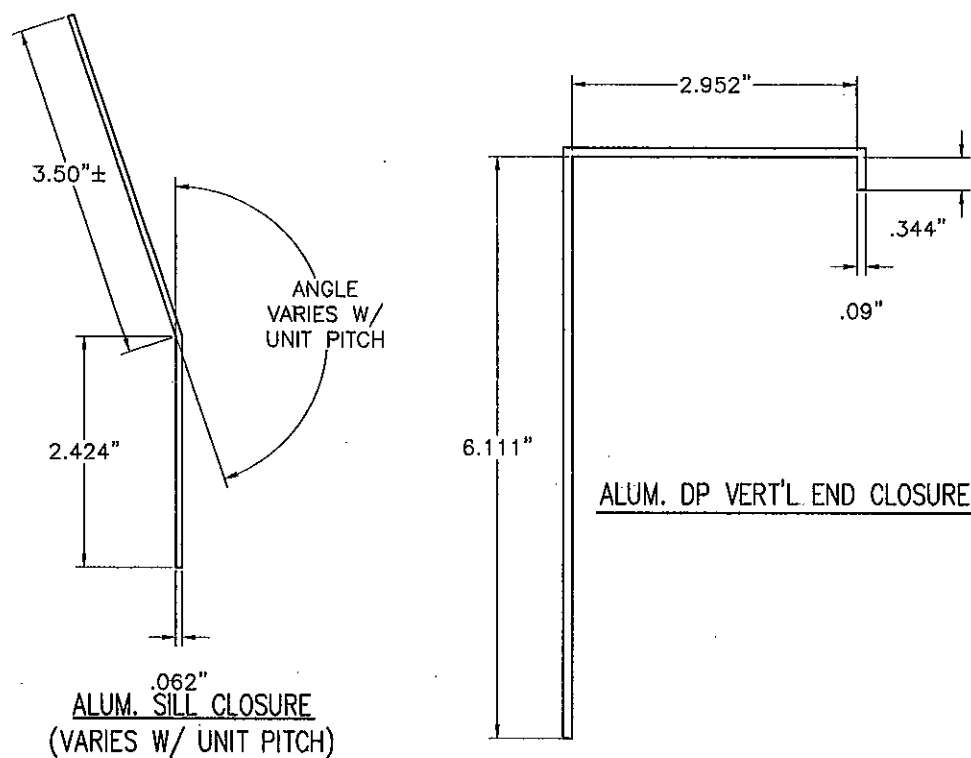
85 SPENCER DRIVE -- UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

08/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	9/24/10	3		
2			4		

SHEET 1 OF 27

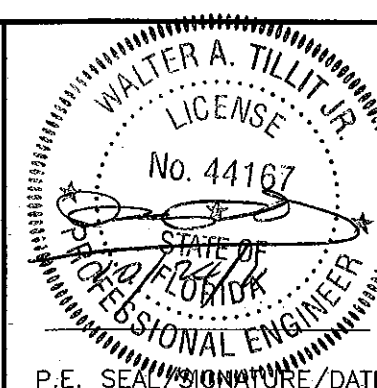


COMPONENTS

SCALE: 1/2"=1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602.08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

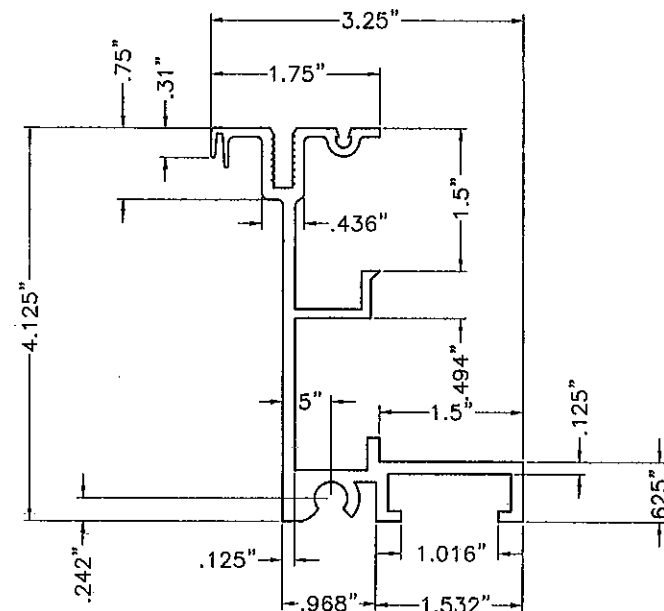
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

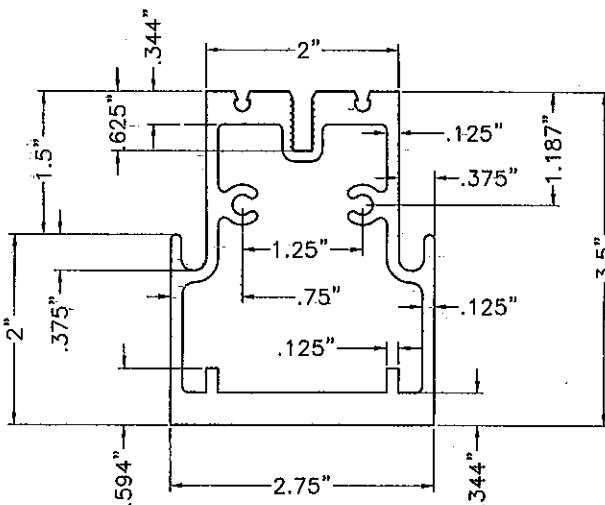
10-063
DRAWING No

SHEET 2 OF 27

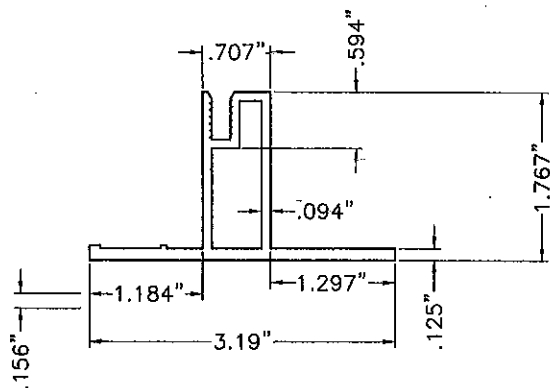
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		



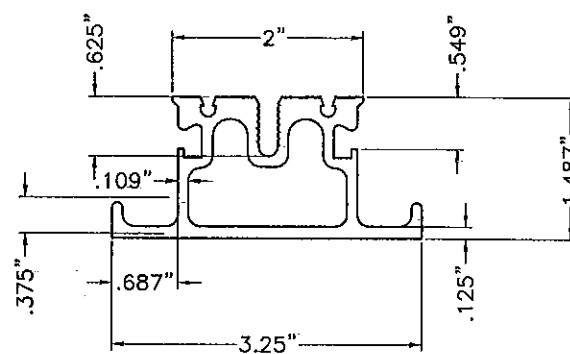
SILL EXTRUSION (35S)



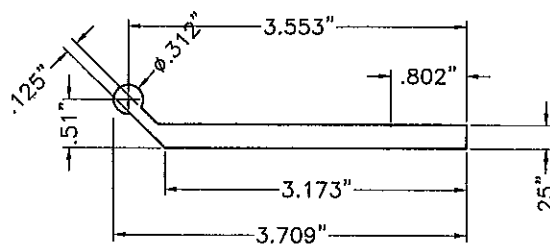
PINNACLE HR (35RF)
RAFTER EXTRUSION



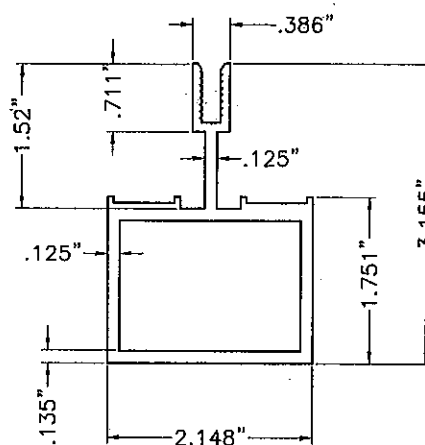
VE RAKE SASH EXTRUSION (H-RS)



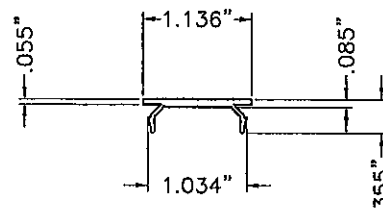
PURLIN EXTRUSION (4P1)



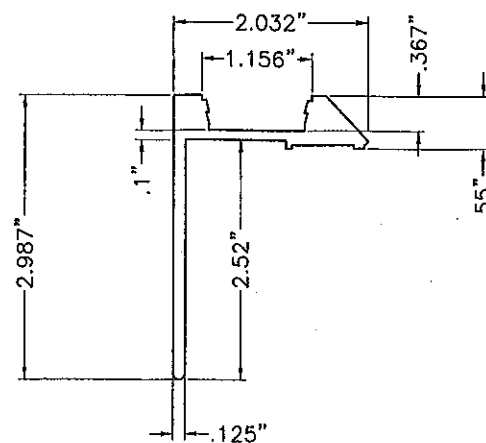
BASE PLATE EXTRUSION (BP-1)



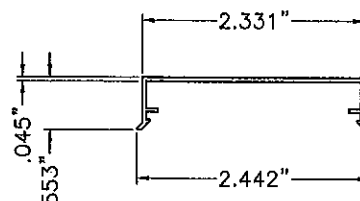
VE MULLION EXTRUSION (H-M)



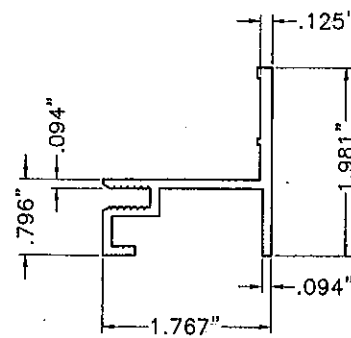
SILL CLOSURE CAP EXTRUSION



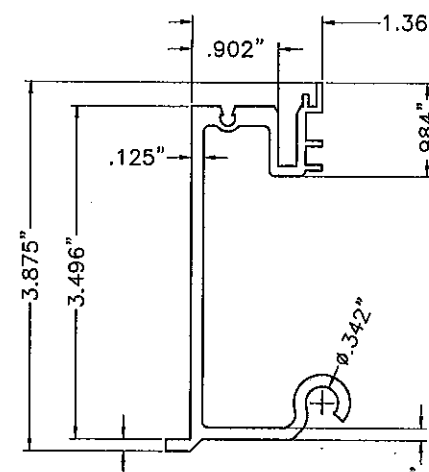
SILL PERIMETER TAPE CAP EXTRUSION (H-PC)



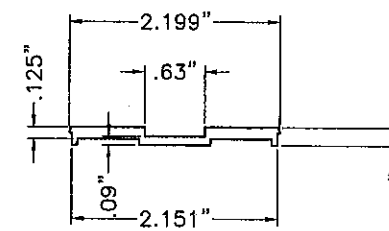
CLOSURE EXTRUSION (H-RCC)



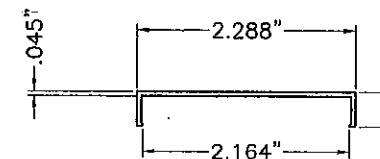
VE SASH EXTRUSION (H-HS)



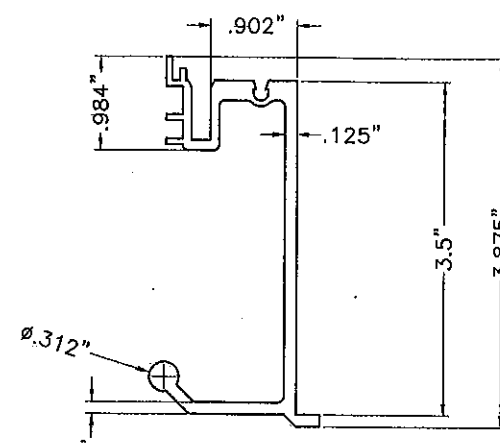
RIDGE/HIP EXTRUSION (35H-1F)



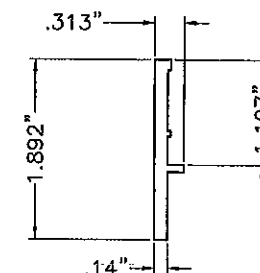
CAP EXTRUSION (H-RC)



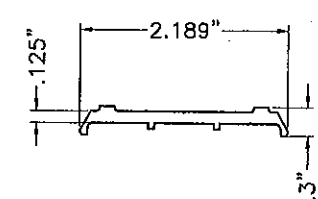
VE MULLION CLOSURE EXTRUSION (H-MCC)



RIDGE/HIP EXTRUSION (35H-1M)



SASH CAP EXTRUSION (H-SC)



VE MULLION CAP EXTRUSION (H-MC)

COMPONENTS (CONTINUED)

SCALE: 1/2"=1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602-08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENDER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

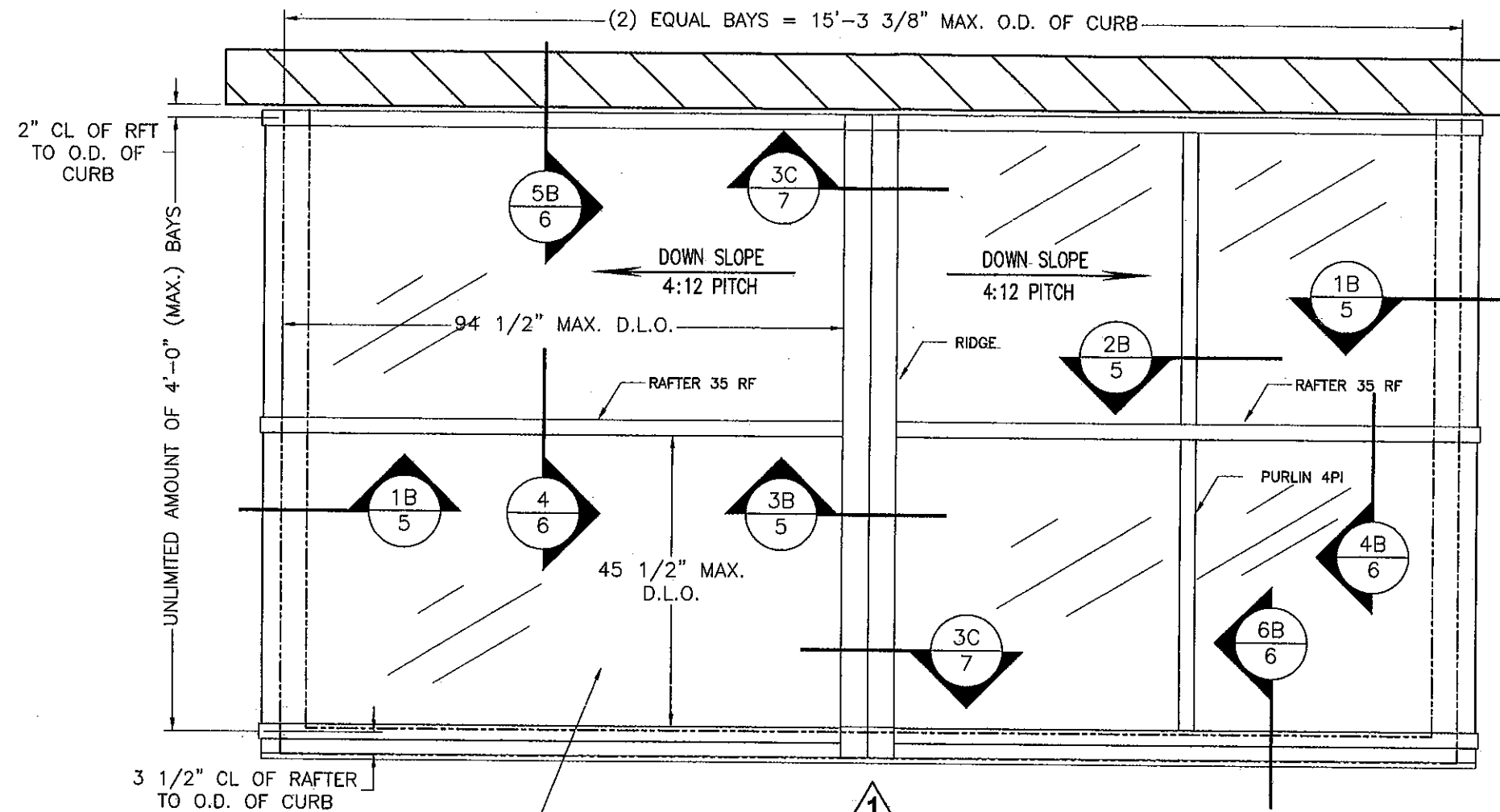
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

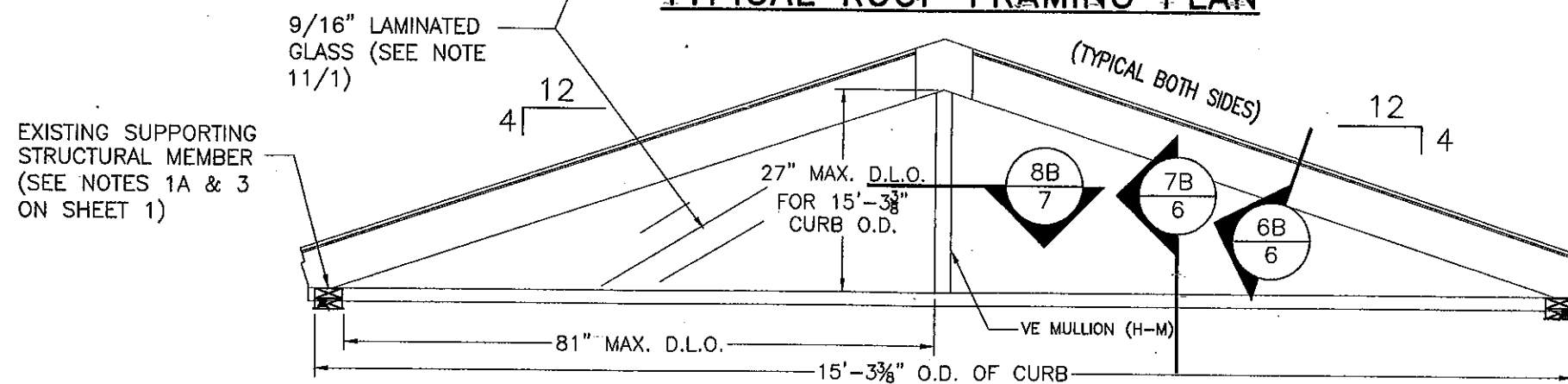
10-063
DRAWING No

SHEET 3 OF 27

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		



1
TYPICAL ROOF FRAMING PLAN

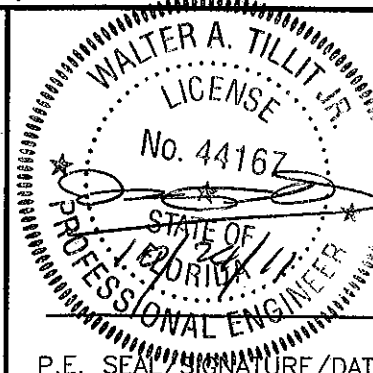


ELEVATION 1
SCALE: 1/2"=1'-0"

LAMINATED GLASS CASE
(9/16" L.G.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602-08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

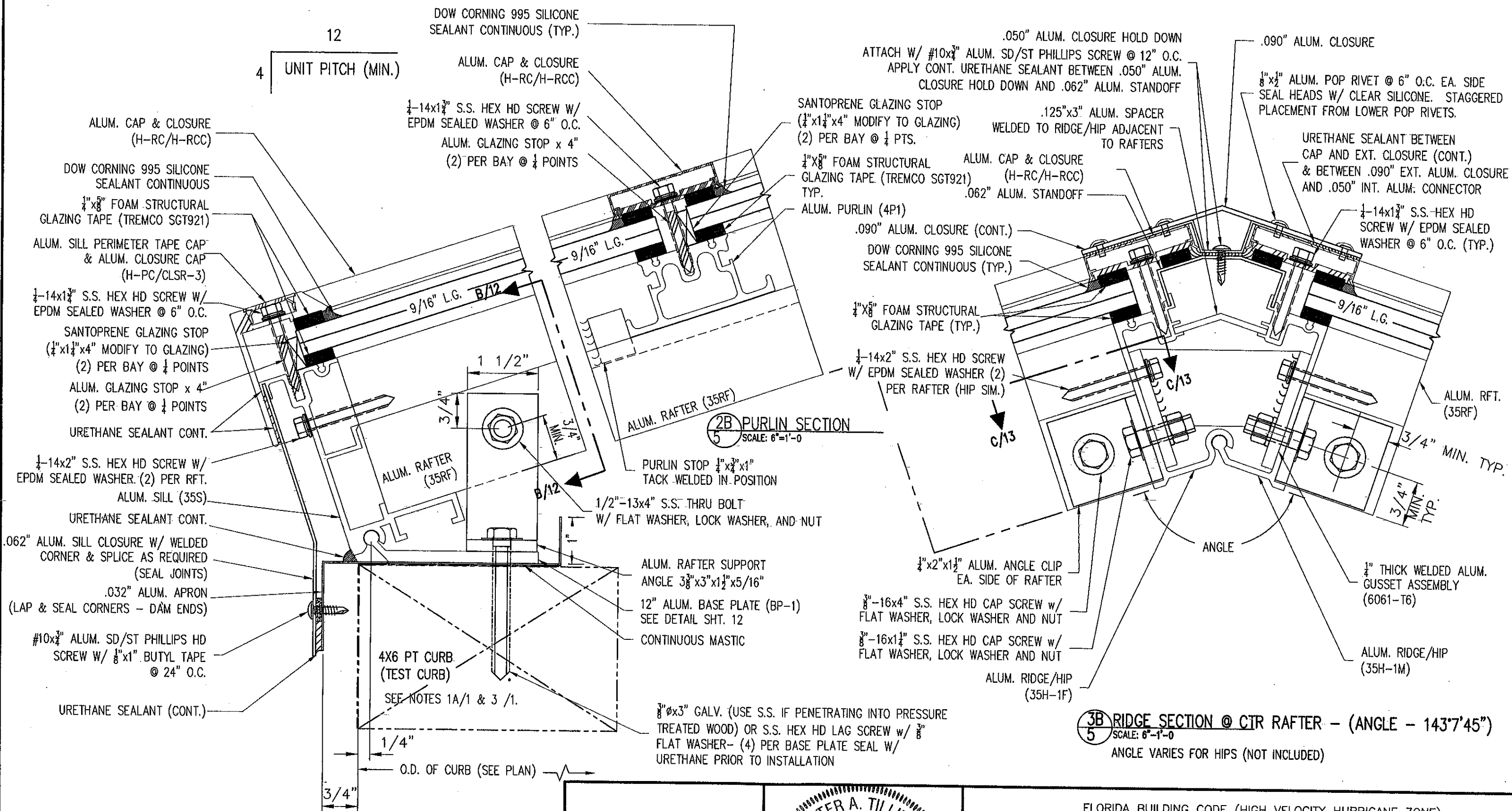
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		

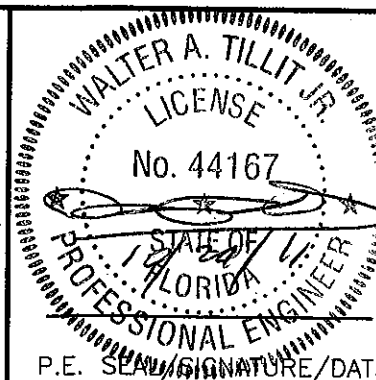
SHEET 4 OF 27



1B SILL SECTION
5 SCALE: 6"-1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602-08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4528 FAX: (207) 216-4566

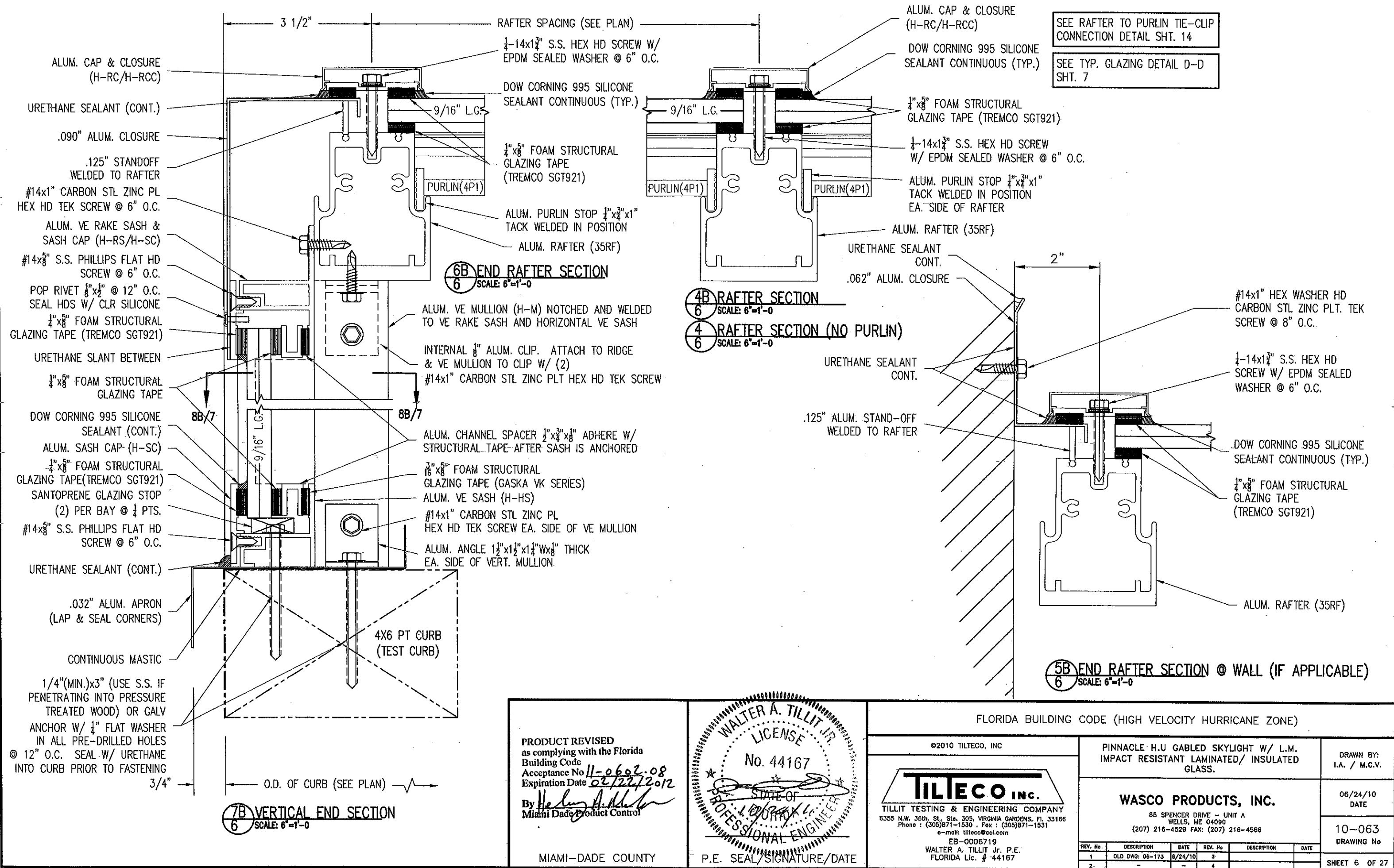
DRAWN BY:
I.A. / M.C.V.

08/24/10
DATE

10-063
DRAWING No

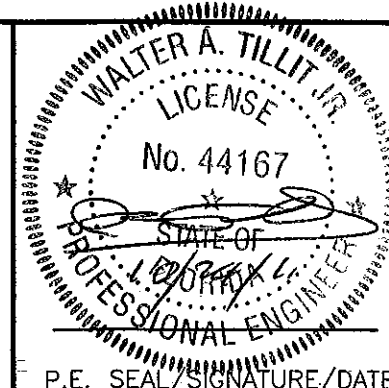
SHEET 5 OF 27

REV. No.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	OLD DWG: 06-173	8/24/10	3		
2			4		



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602-08
Expiration Date 02/22/2012
By *He Long A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
e-mail: tilliteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

DRAWN BY:
I.A. / M.C.V.

WASCO PRODUCTS, INC.

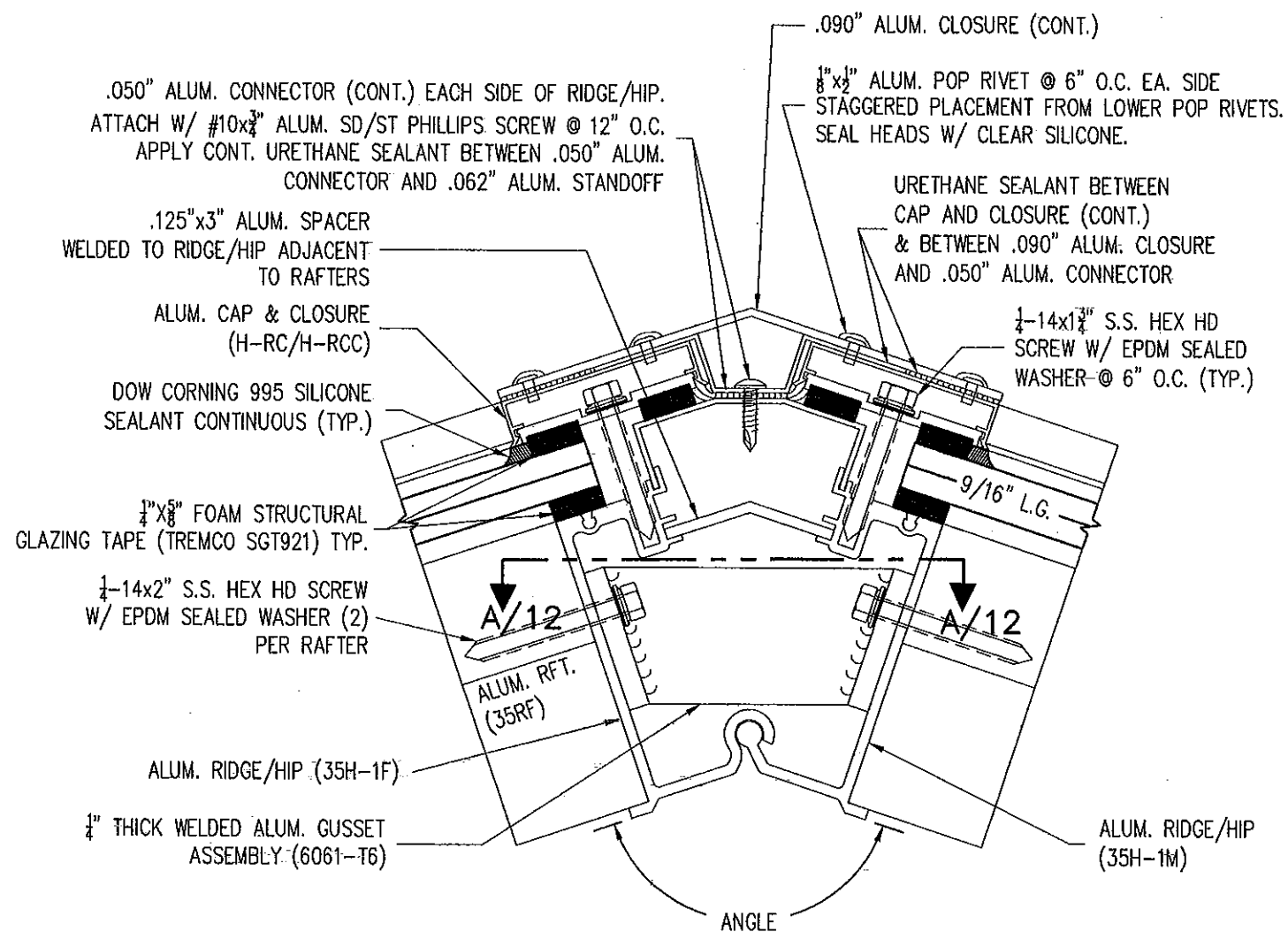
85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

06/24/10
DATE

10-063
DRAWING No

REV. No.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		

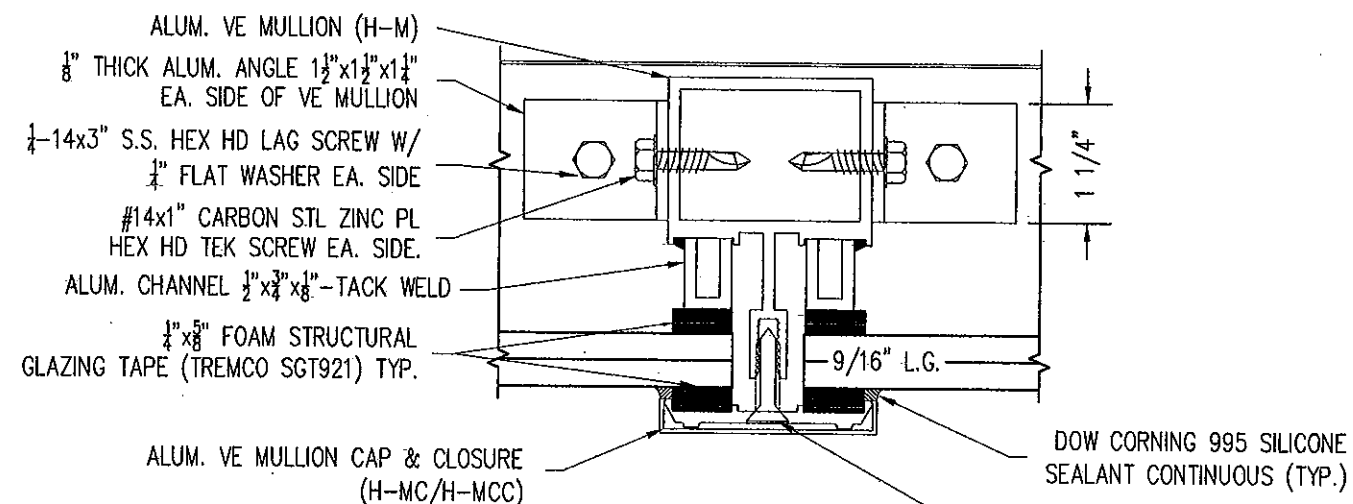
SHEET 6 OF 27



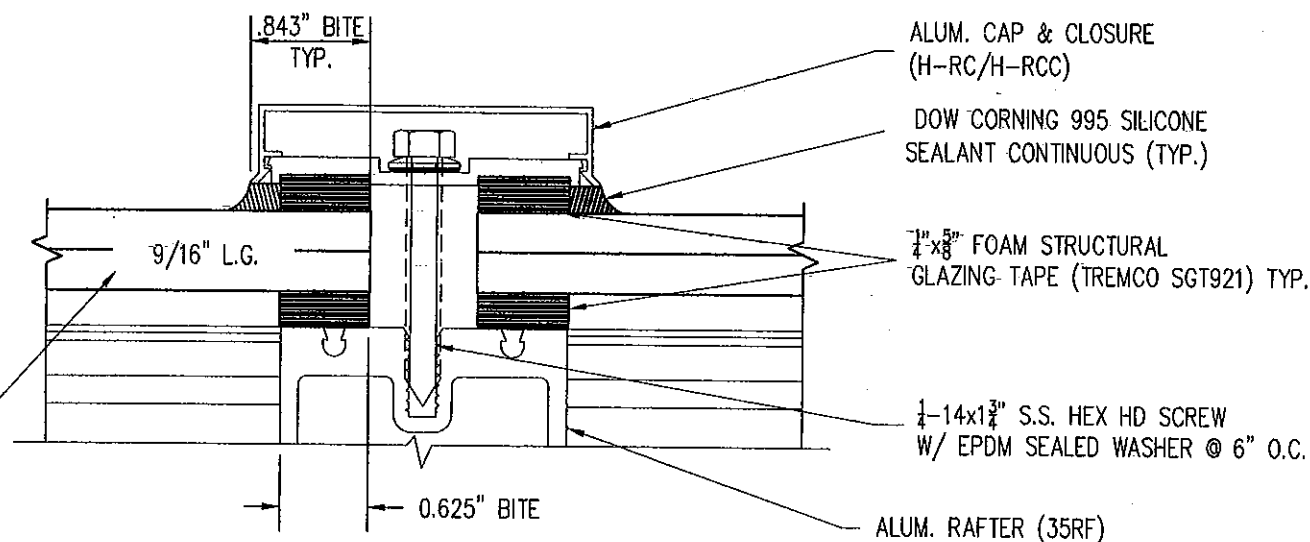
3C RIDGE SECTION @ END RAFTERS - (ANGLE - 143°7'45")
SCALE: 6"=1'-0"

ANGLE AT HIP VARIES (NOT INCLUDED)

SEE NOTE 11/1.



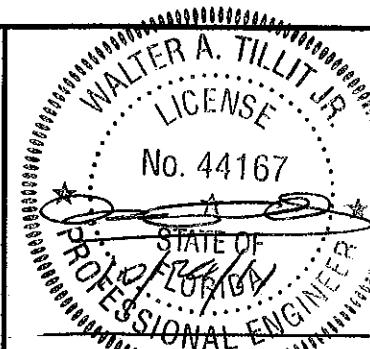
8B MULLION SECTION
SCALE: 6"=1'-0"



SECTION D-D
GLAZING DETAIL
SCALE: NTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tillit@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

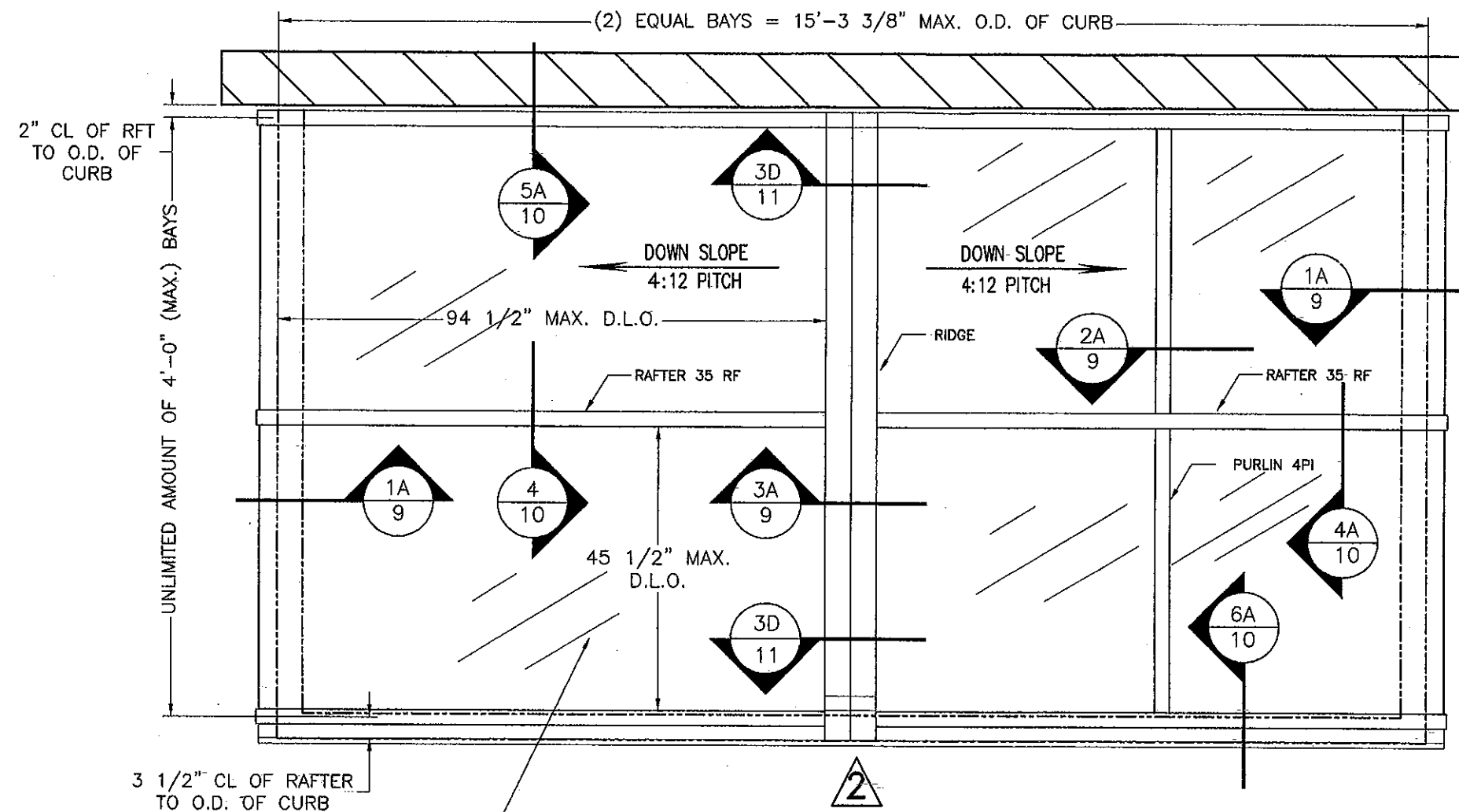
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

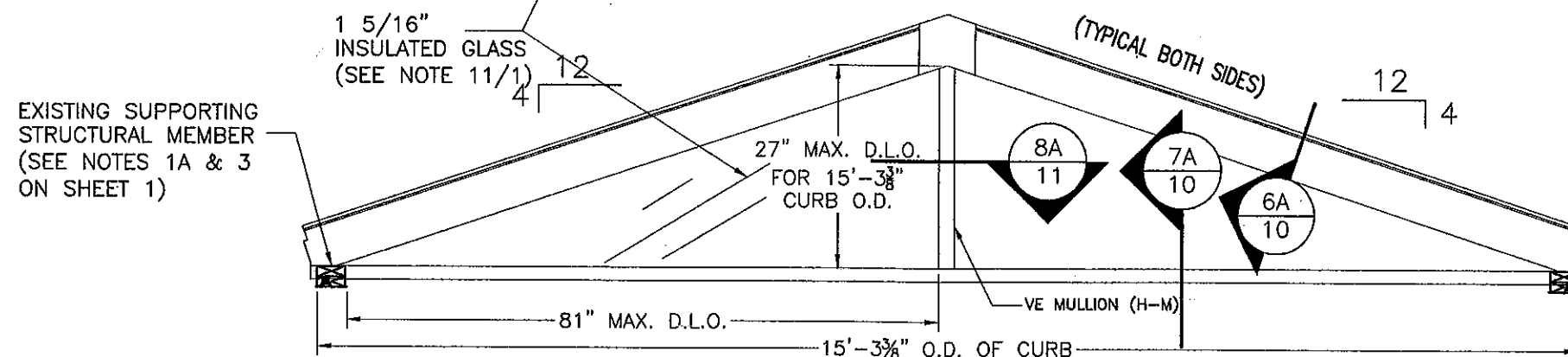
10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		

SHEET 7 OF 27



TYPICAL ROOF FRAMING PLAN

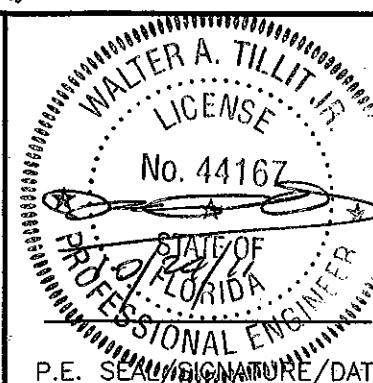


ELEVATION 2

INSULATED GLASS CASE
(1 5/16" I.G.)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 11-0602-08
 Expiration Date 02/22/2012
 By *Walter A. Tillit Jr.*
 Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
 Phone : (305)871-1530 . Fax : (305)871-1531
 e-mail: tilteco@aol.com
 EB-0006719
 WALTER A. TILLIT Jr. P.E.
 FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
 IMPACT RESISTANT LAMINATED/ INSULATED
 GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
 WELLS, ME 04090
 (207) 216-4529 FAX: (207) 216-4566

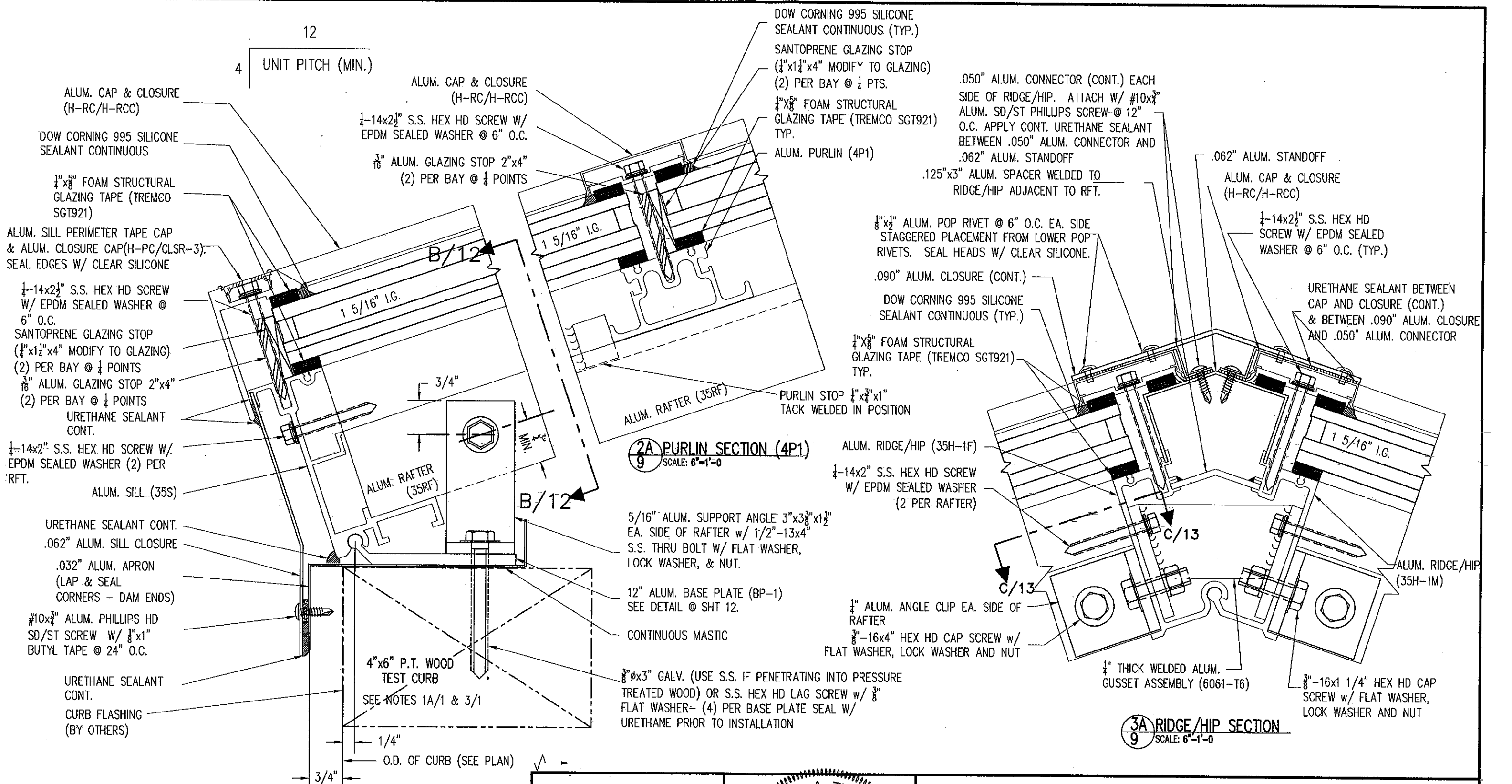
DRAWN BY:
 I.A. / M.C.V.

08/24/10
 DATE

10-063
 DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	8/24/10	3		
2			4		

SHEET 8 OF 27



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0602.08
Expiration Date 02/22/2012
By Healy A. Healy
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED/ INSULATED GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

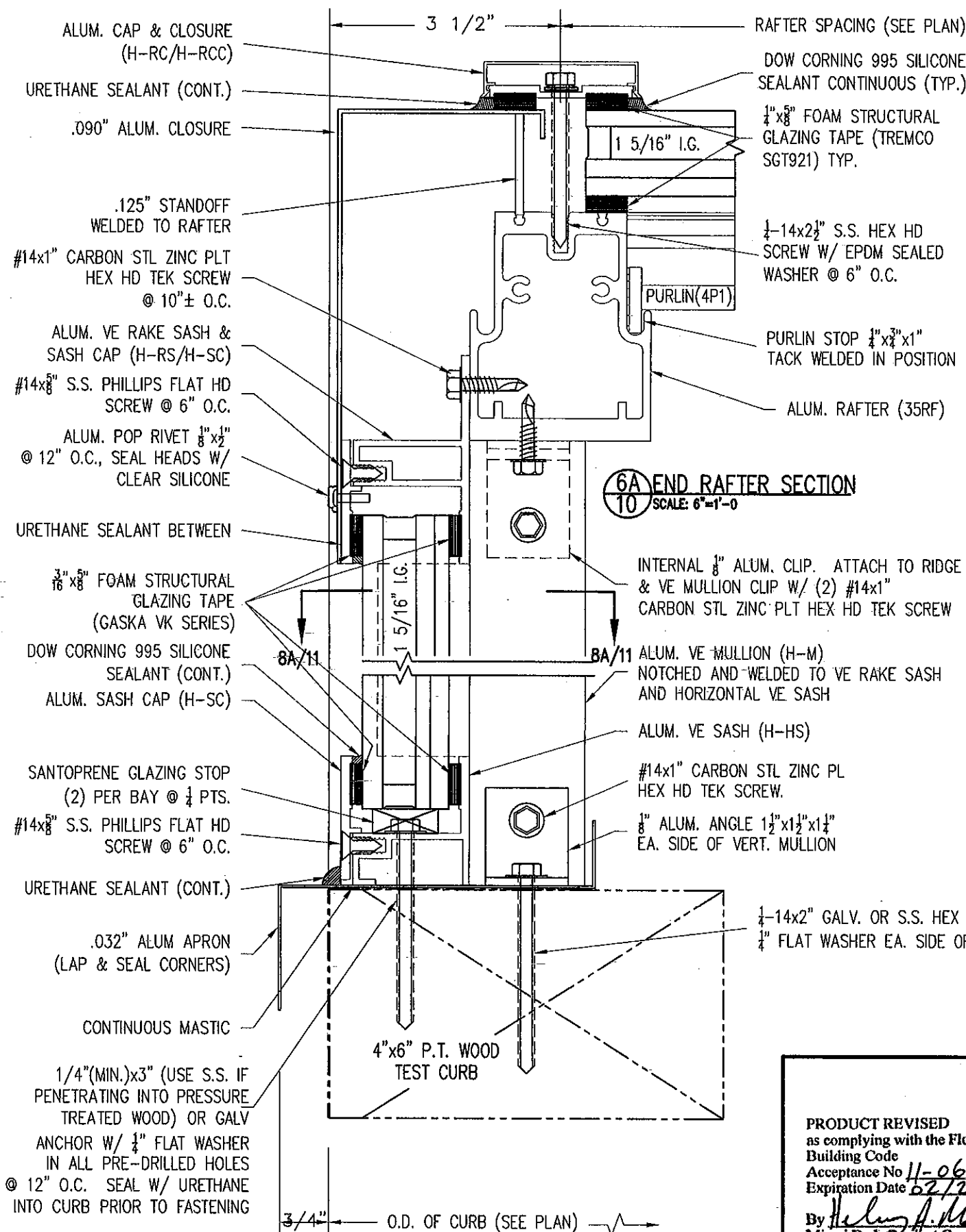
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

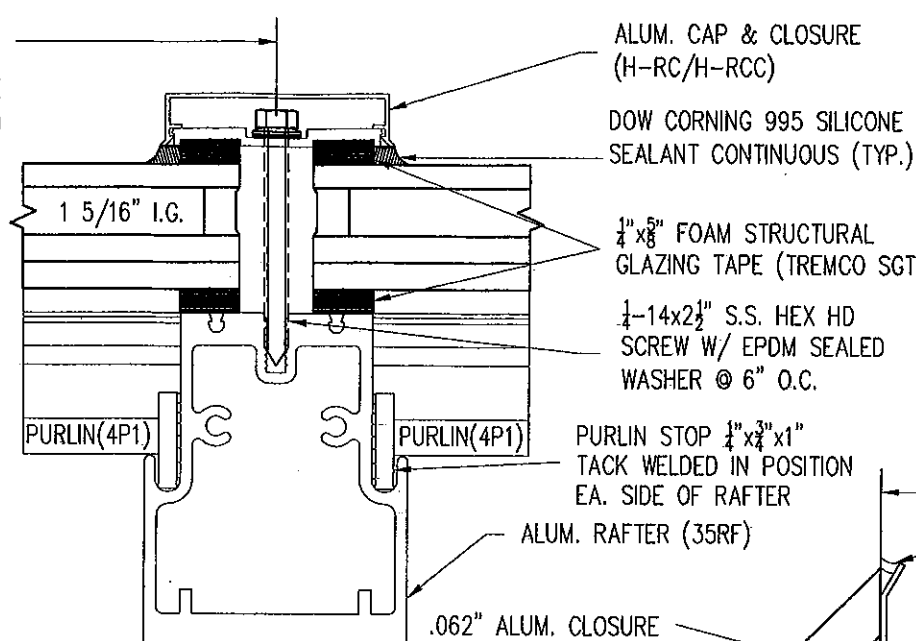
10-063
DRAWING No

SHEET 9 OF 27

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	8/24/10	3		
2			4		

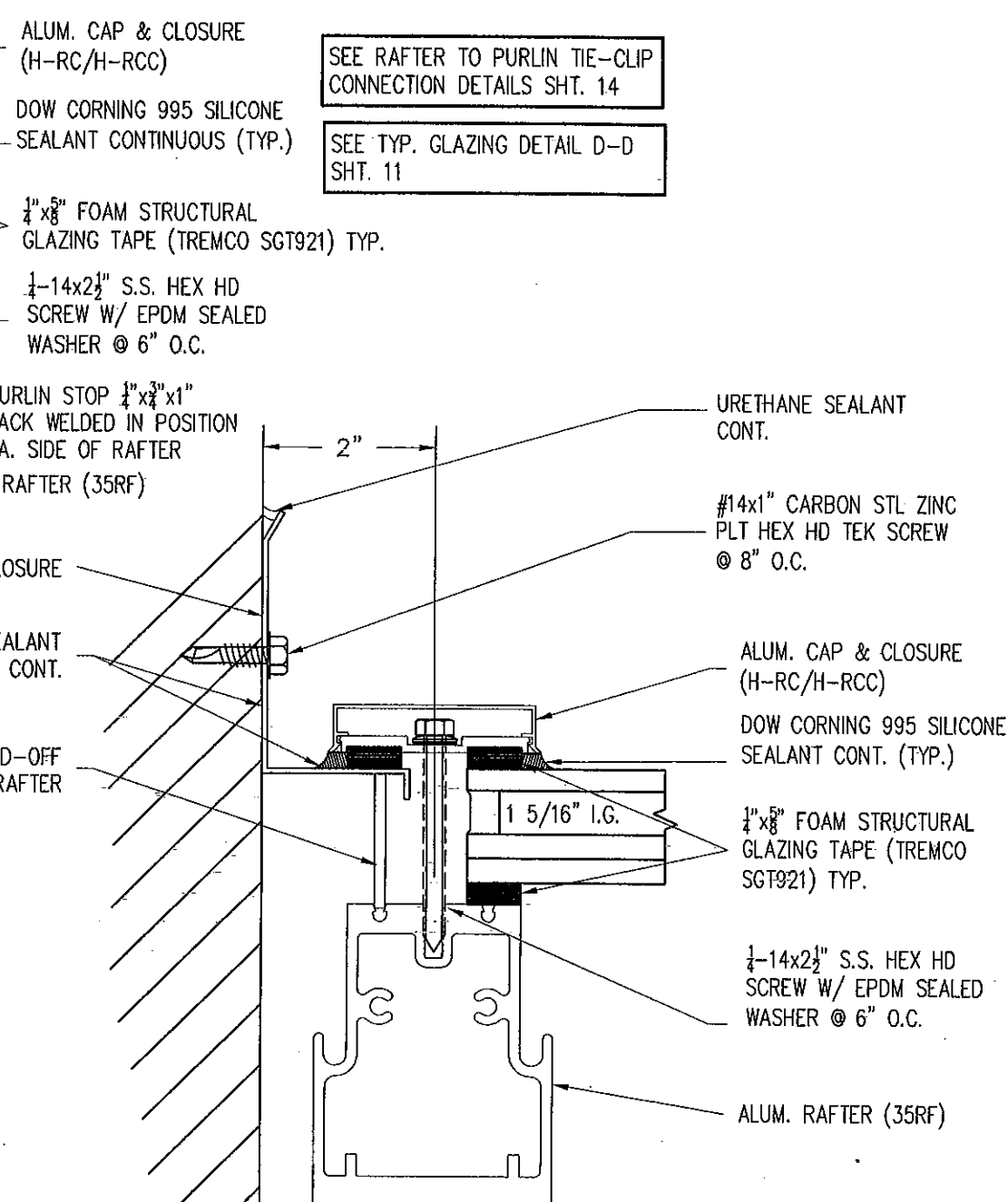


6A END RAFTER SECTION
SCALE: 6\"/>



4A RAFTER SECTION
SCALE: 6\"/>

4 RAFTER SECTION (NO PURLIN)
SCALE: 6\"/>

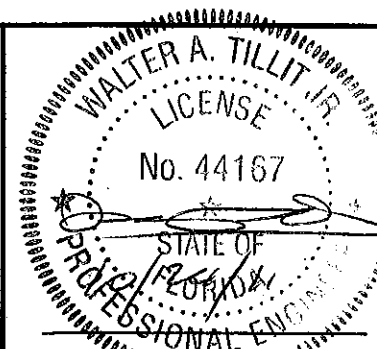


5A END RAFTER SECTION @ WALL
SCALE: 6\"/>

7A VERTICAL END SECTION
SCALE: 6\"/>

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 6/22/2012
By *Helmut A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4528 FAX: (207) 216-4566

DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		

SHEET 10 OF 27

.050" ALUM. CONNECTOR (CONT.) EACH SIDE OF RIDGE/HIP.
ATTACH W/ #10x $\frac{3}{4}$ " ALUM. SD/ST PHILLIPS SCREW @ 12" O.C.
APPLY CONT. URETHANE SEALANT BETWEEN .050" ALUM.
CONNECTOR AND .062" ALUM. STANDOFF

.125"x3" ALUM. SPACER WELDED TO
RIDGE/HIP ADJACENT TO RFT.

$\frac{1}{8}$ "x $\frac{1}{2}$ " ALUM. POP RIVET @ 6" O.C. EA. SIDE
STAGGERED PLACEMENT FROM LOWER POP RIVETS.
SEAL HEADS W/ CLEAR SILICONE

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)

$\frac{1}{4}$ "x $\frac{5}{8}$ " FOAM STRUCTURAL
GLAZING TAPE (TREMCO SGT921) TYP.

$\frac{1}{4}$ -14x2" S.S. HEX HD SCREW
W/ EPDM SEALED WASHER (2)
PER RAFTER (HIP SIM.)

ALUM. RIDGE/HIP (35H-1F)

3D RIDGE SECTION @ END RAFTERS
SCALE: 6"-1'-0"

.062" ALUM. STANDOFF

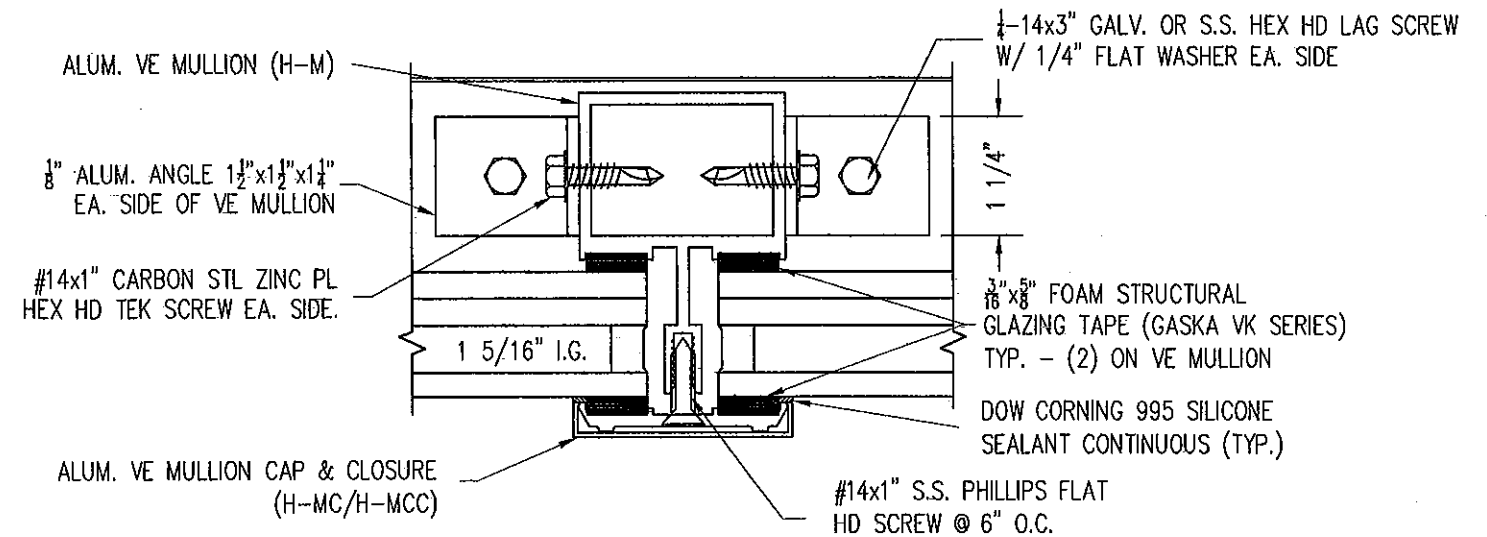
ALUM. CAP & CLOSURE
(H-RC/H-RCC)

URETHANE SEALANT BETWEEN
CAP AND CLOSURE (CONT.)

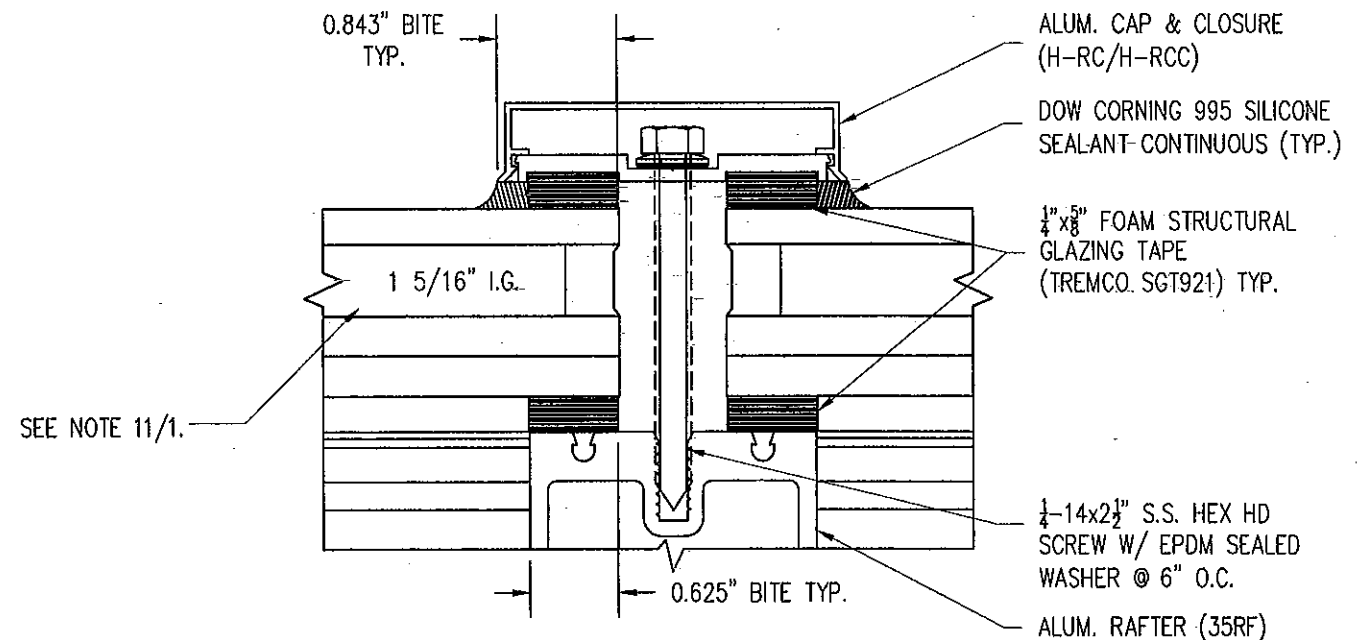
$\frac{1}{4}$ -14x2 $\frac{1}{2}$ " S.S. HEX HD
SCREW W/ EPDM SEALED
WASHER @ 6" O.C. (TYP.)

ALUM. RIDGE/HIP
(35H-1M)

$\frac{1}{4}$ " THICK WELDED
ALUM. GUSSET
ASSEMBLY (6061-T6)



8A MULLION SECTION
SCALE: 6"-1'-0"



**SECTION D-D
GLAZING DETAIL**
SCALE: NTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602.08
Expiration Date 07/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530, Fax: (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

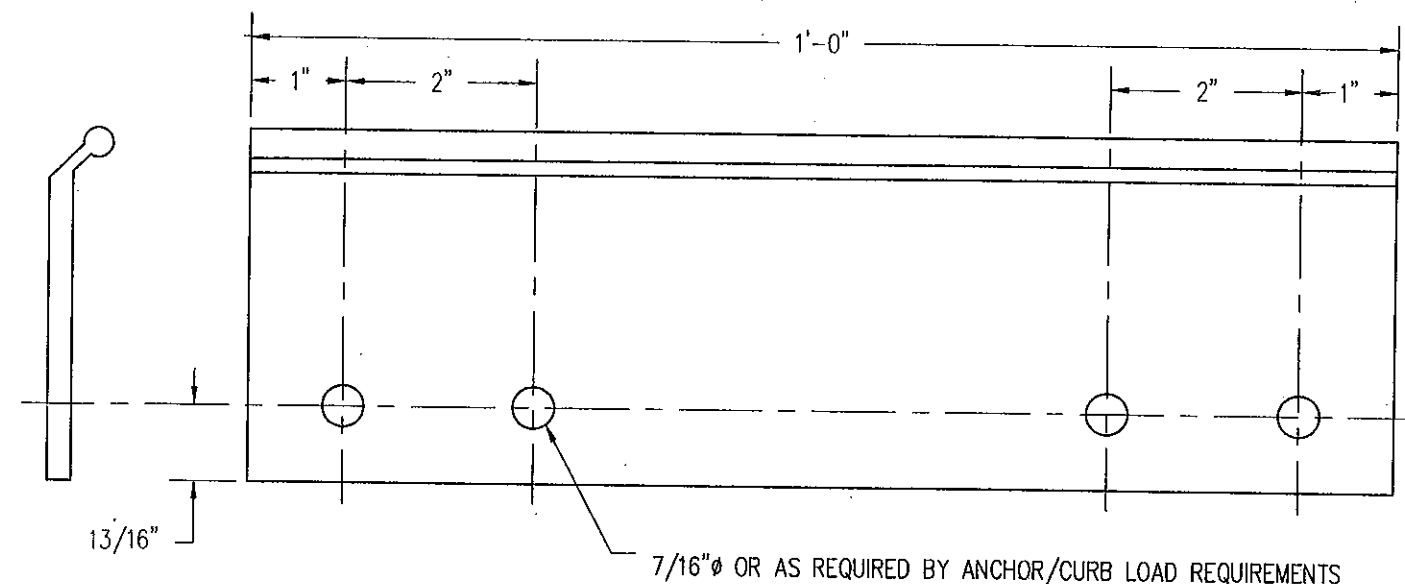
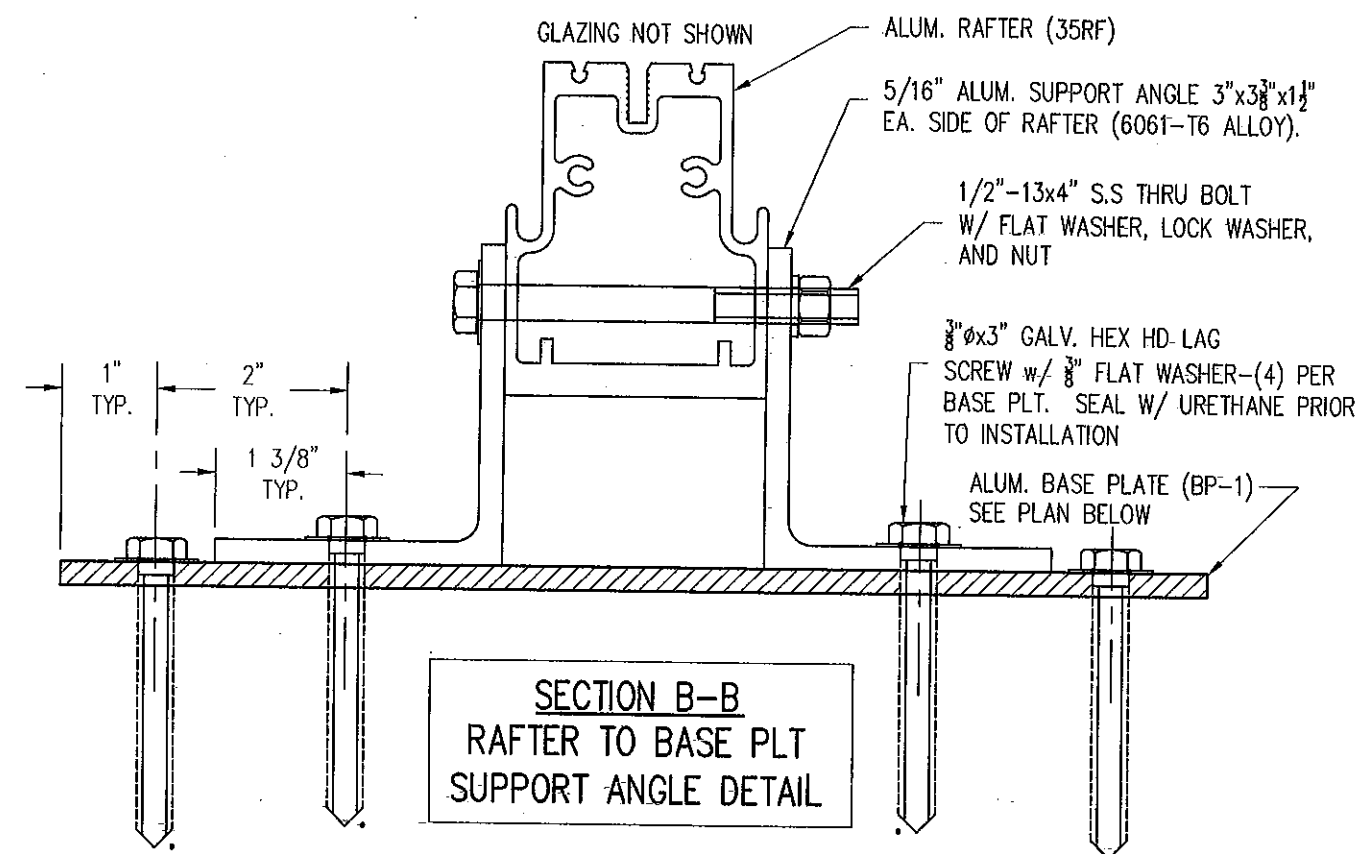
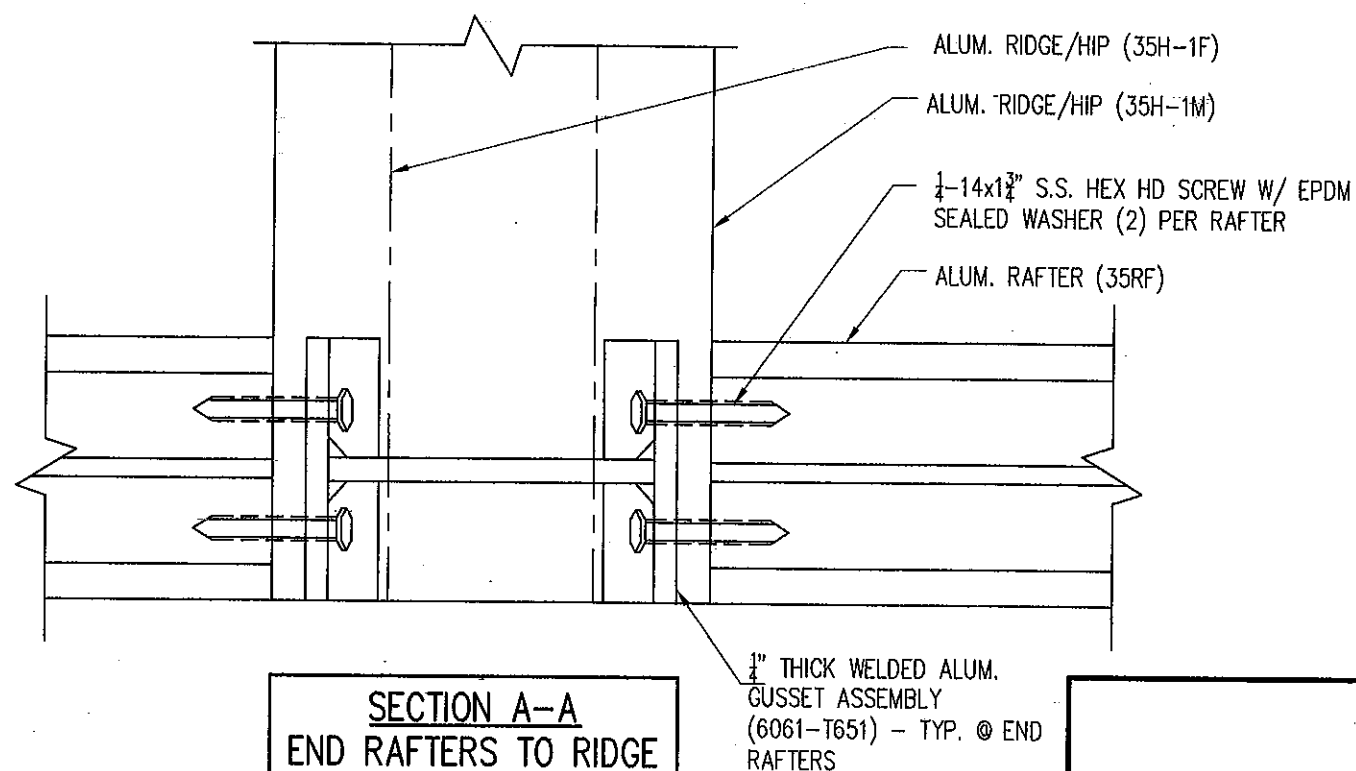
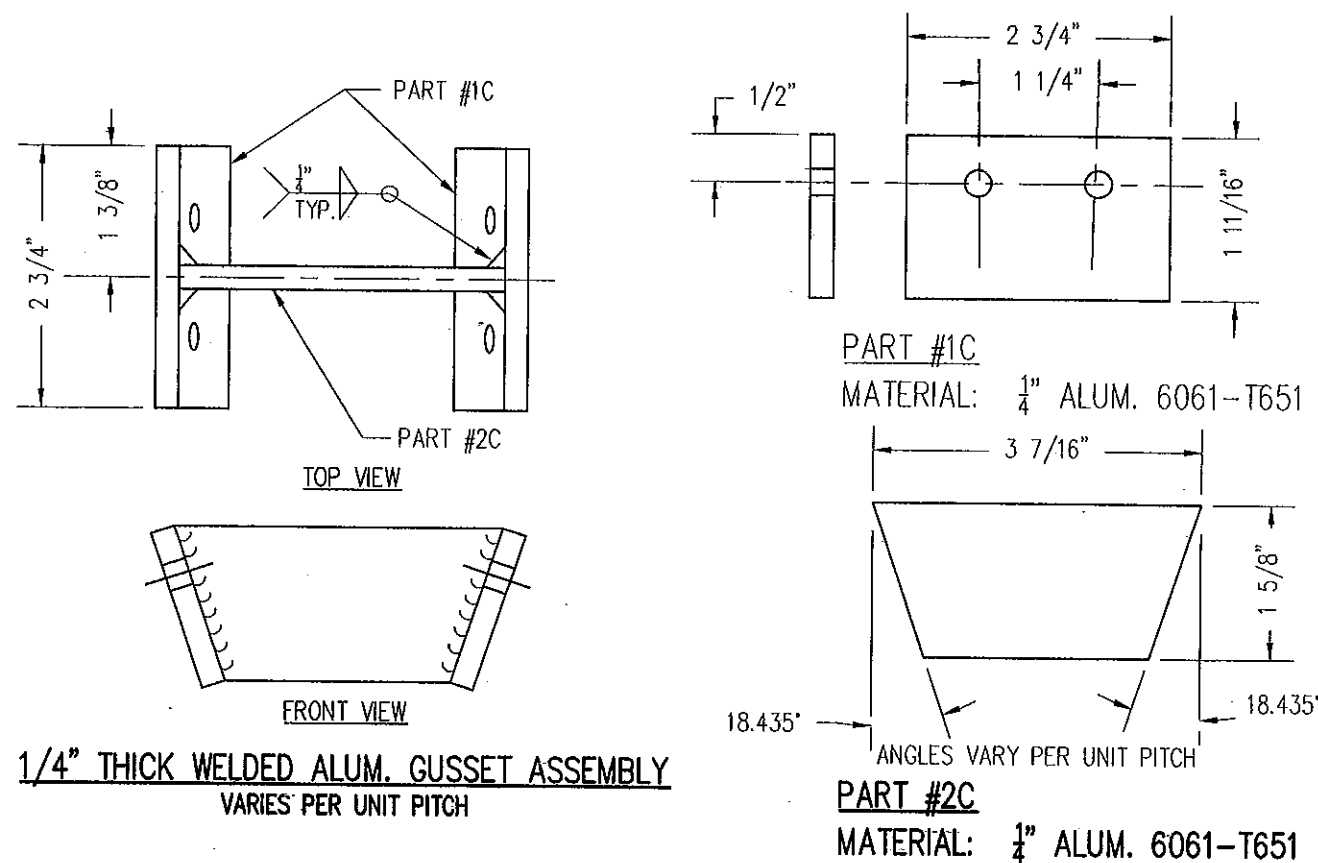
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

10-063
DRAWING No

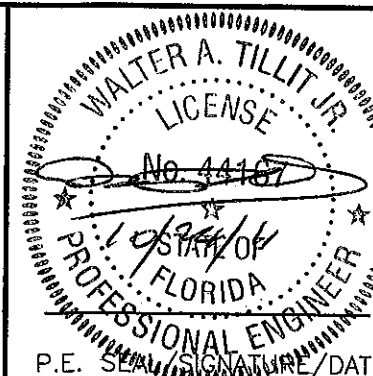
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		

SHEET 11 OF 27



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 07/22/2012
By *Helmut H. Miller*
Miami Dade Product Control

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 871-1530, Fax: (305) 871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4528 FAX: (207) 216-4568

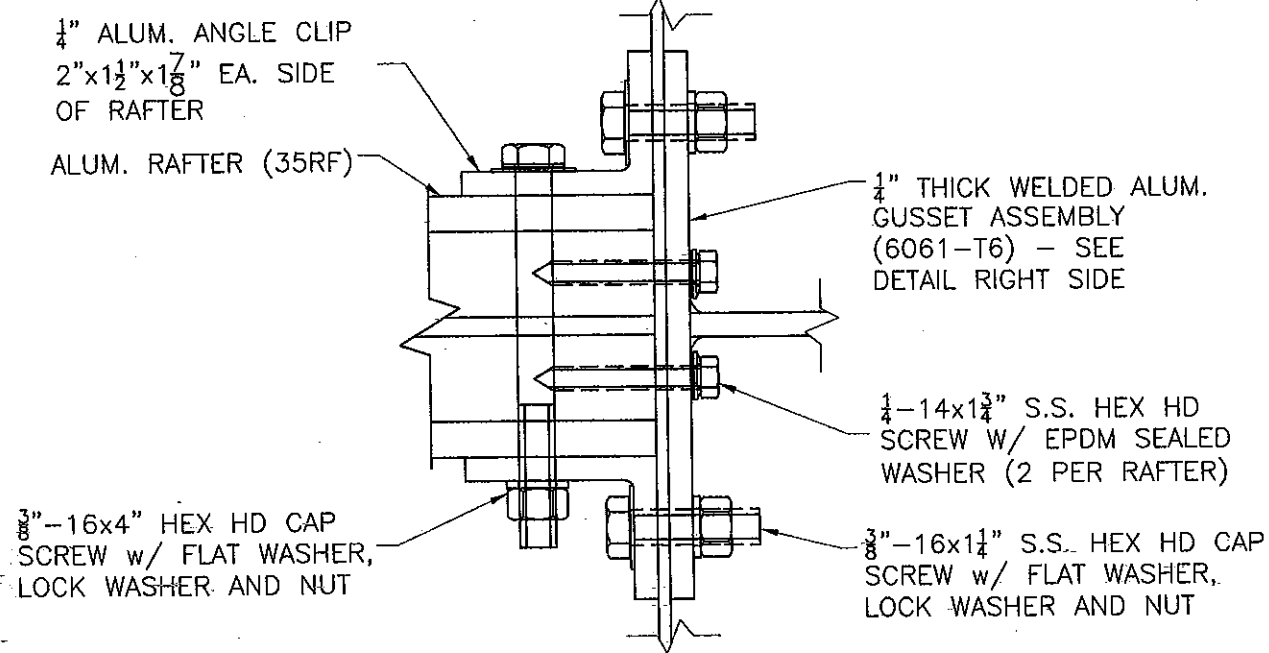
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

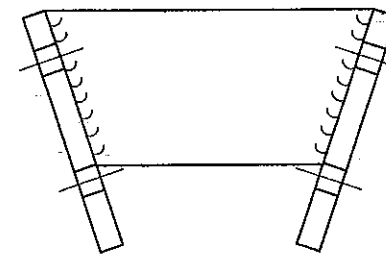
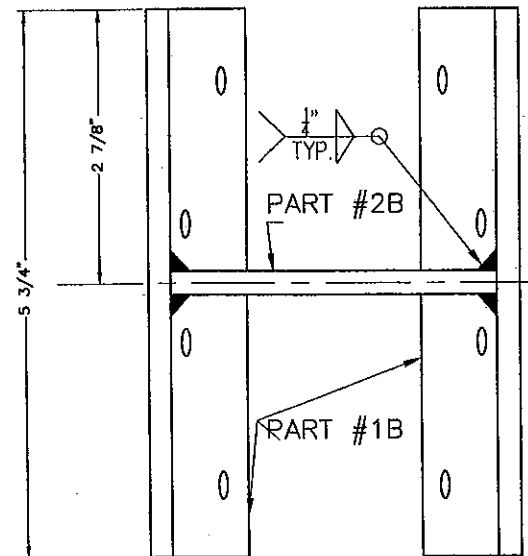
10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		

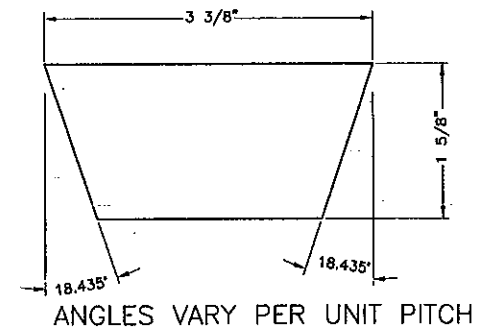
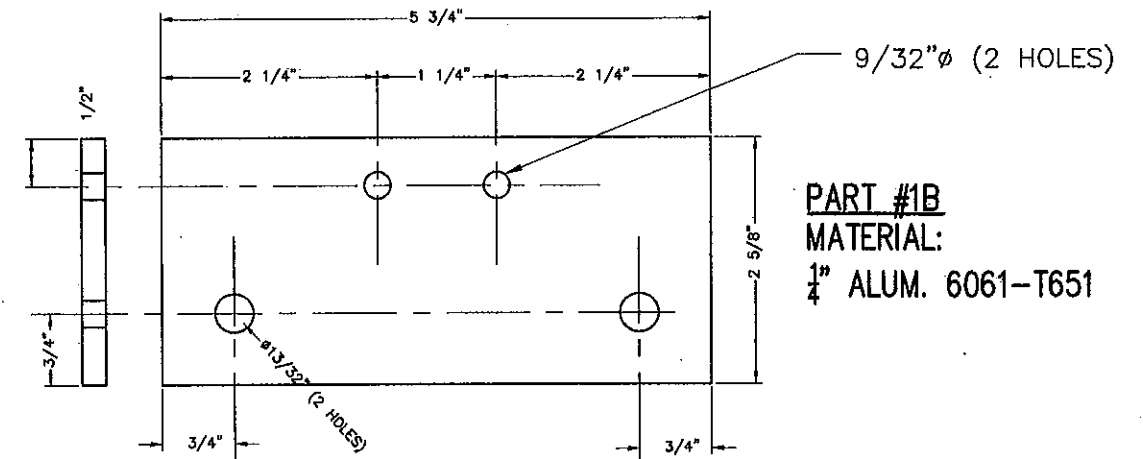
SHEET 12 OF 27



SECTION C-C
CENTER RAFTER CONNECTION
DETAIL



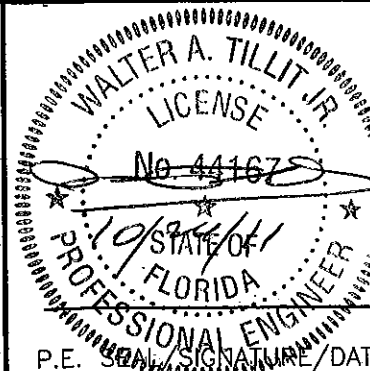
1/4" THICK WELDED ALUM. GUSSET ASSEMBLY



PART #2B
MATERIAL:
1/4 ALUM. 6061-T651

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602.08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami-Dade Product Control

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 871-1530 Fax: (305) 871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENGER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

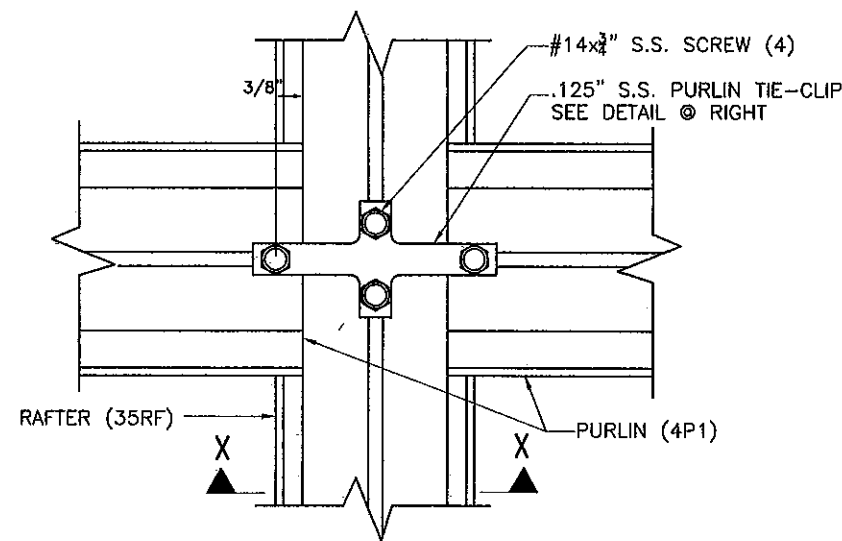
DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

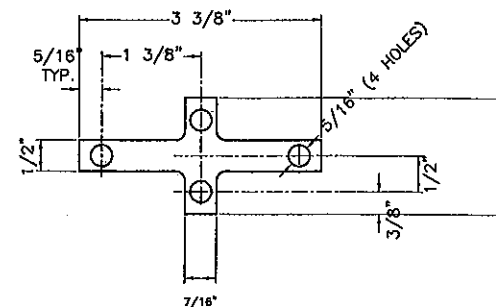
10-063
DRAWING No

SHEET 13 OF 27

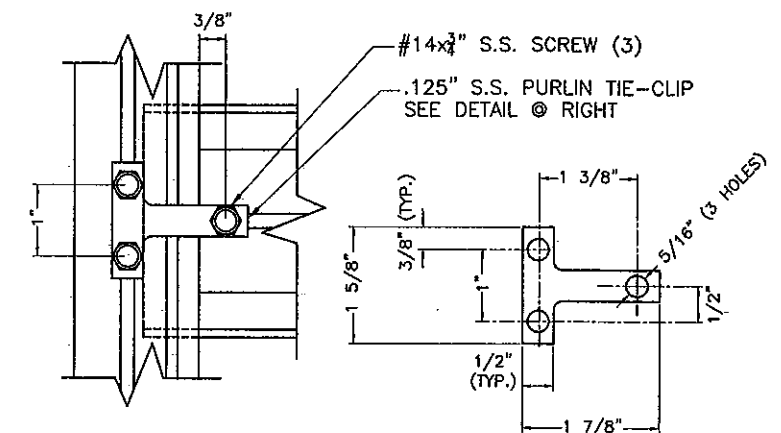
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		



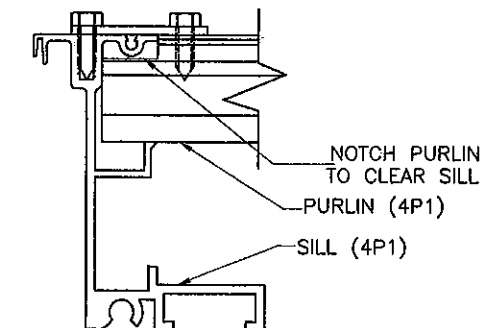
RAFTER TO PURLIN CONNECTION (PLAN)



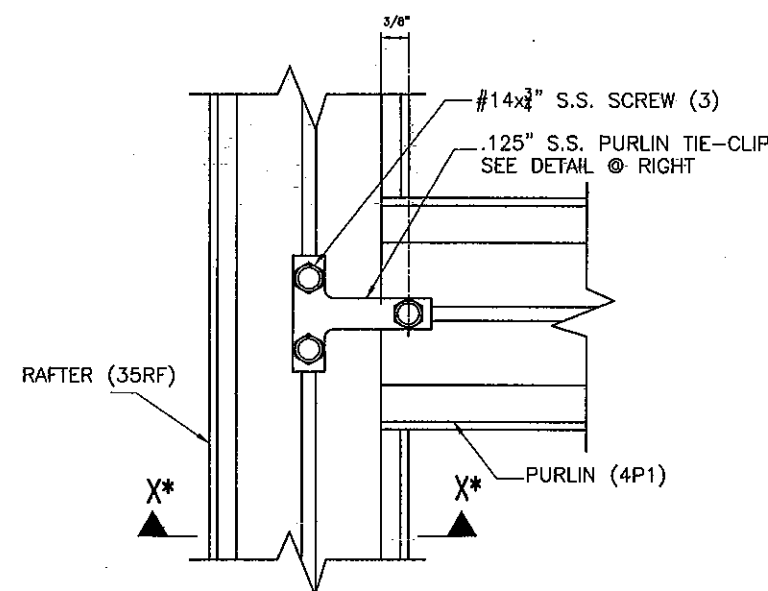
PURLIN TIE-CLIP (RAFTER TO PURLIN), 1/8" THICK
 (AISI 304 STAINLESS STEEL)



PURLIN TIE-CLIP
 (SILL & END RAFTER TO PURLIN)
 (AISI 304 STAINLESS STEEL)

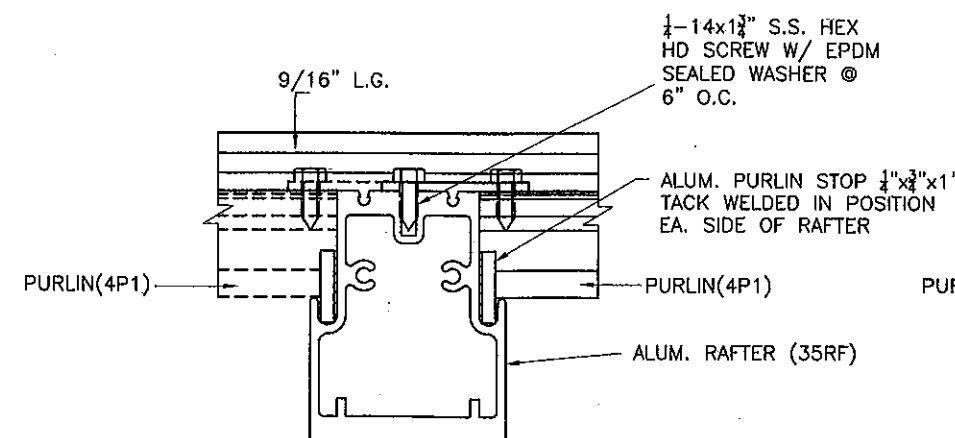


PURLIN TIE-CLIP (SILL TO PURLIN - TYP. SINGLE PITCH UNITS)
 (AISI 304 STAINLESS STEEL)

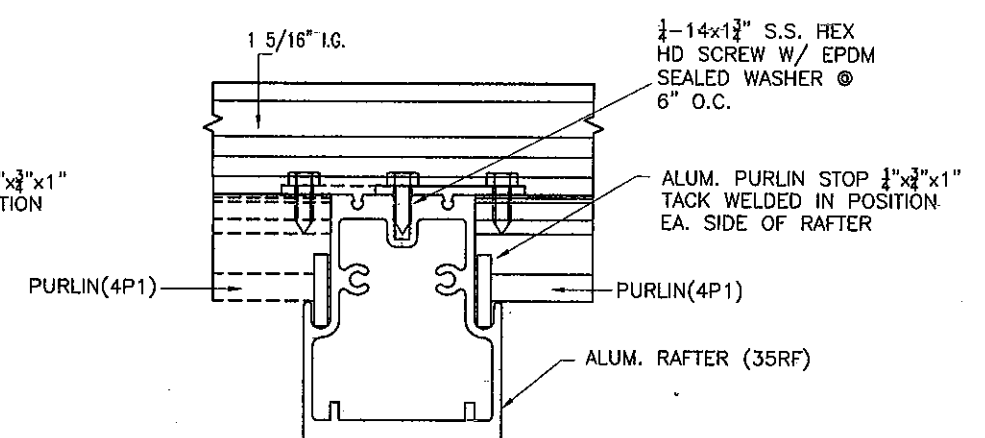


* SIMILAR ONE DIRECTION ONLY.

END RAFTER TO PURLIN CONNECTION (PLAN)

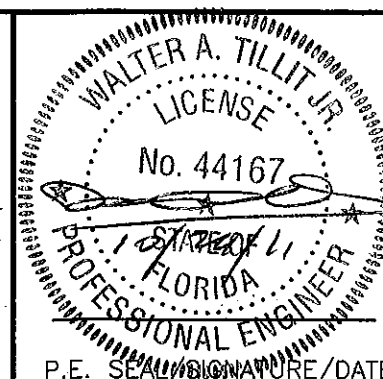


SECTION X-X (L.G. & I.G.)



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 11-0602.08
 Expiration Date 02/22/2012
 By *Healy A. Miller*
 Miami Dade Product Control

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
 Phone : (305)871-1530 • Fax : (305)871-1531
 e-mail: tilteco@aol.com
 EB-0006719
 WALTER A. TILLIT Jr. P.E.
 FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
 IMPACT RESISTANT LAMINATED/ INSULATED
 GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
 WELLS, ME 04090
 (207) 216-4529 FAX: (207) 216-4566

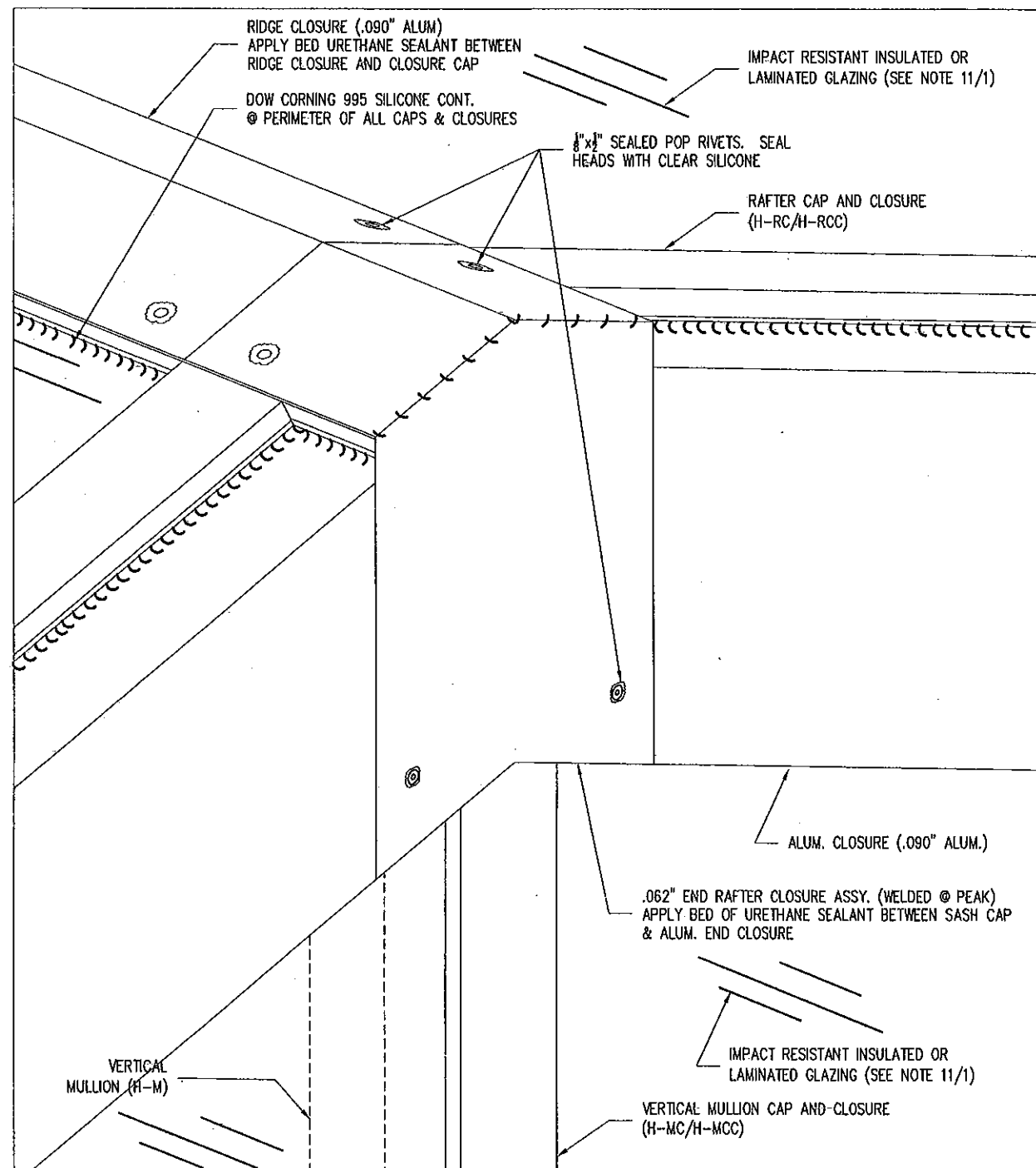
DRAWN BY:
 I.A. / M.C.V.

08/24/10
 DATE

10-063
 DRAWING No

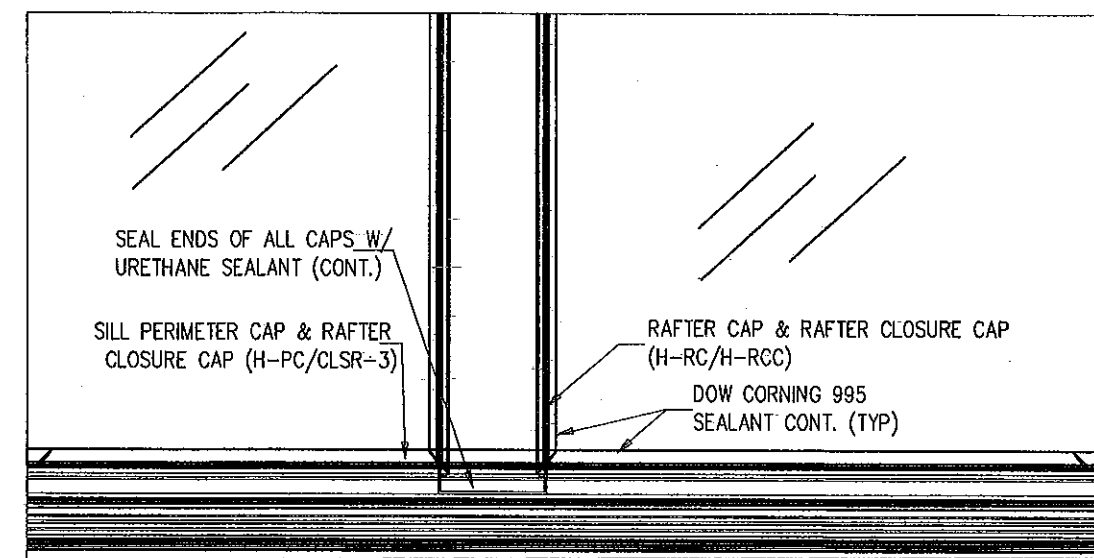
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		

SHEET 14 OF 27



END RAFTER CLOSURE DETAIL

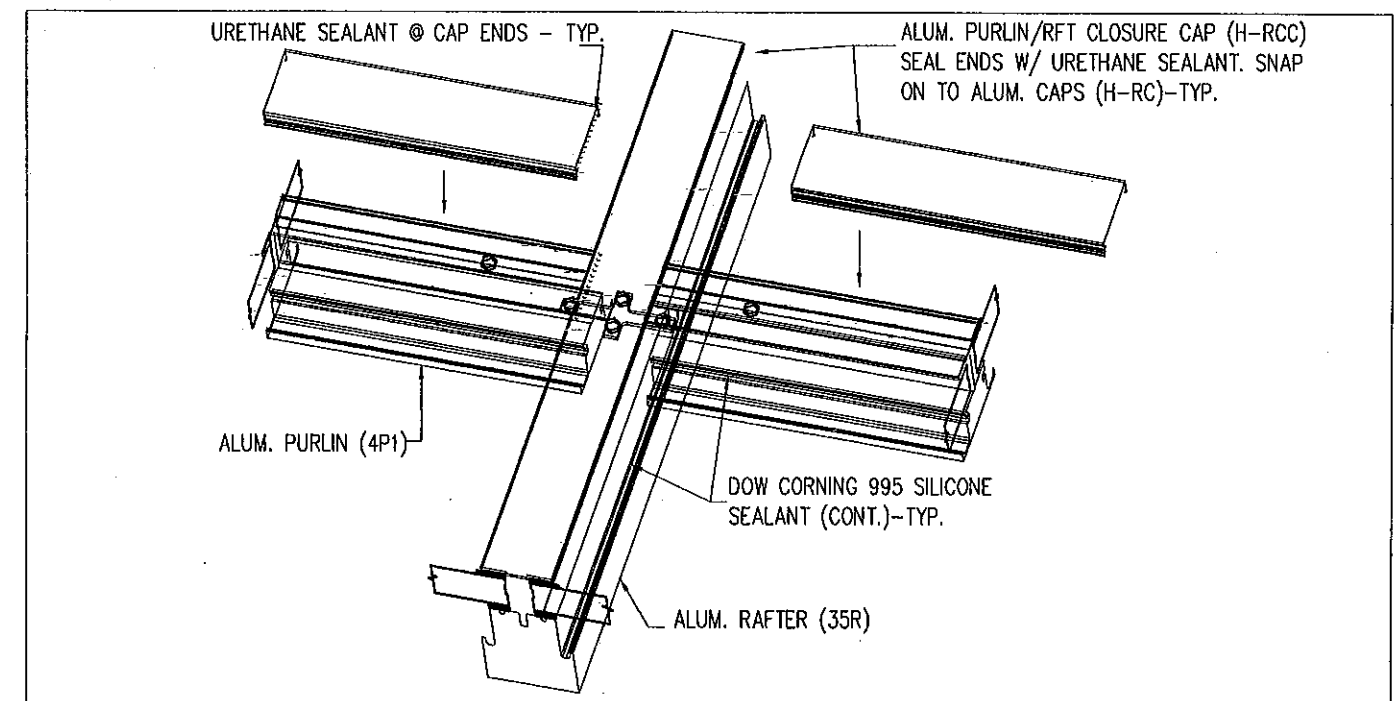
SCALE: 6" = 1'-0"



TYP. SEALANT DETAIL AT SILL/RAFTER

SIMILAR AT RAFTER TO RIDGE CAP/CLOSURE CONNECTIONS

SCALE: NTS

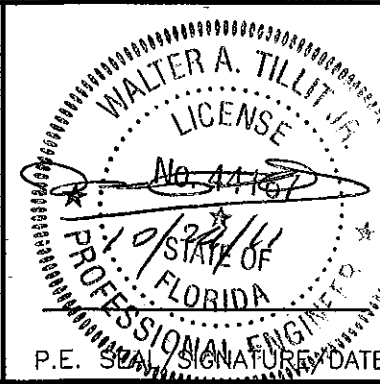


TYP. SEALANT DETAIL AT PURLIN/RAFTER

SCALE: NTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 02/22/2012
By *Helmut A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC.



TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 , Fax : (305)871-1531
e-mail: tilliteco@aol.com

EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

DRAWN BY:
I.A. / M.C.V.

06/24/10
DATE

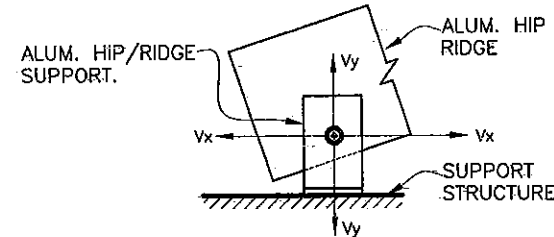
10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		

SHEET 15 OF 27

HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS (VALID ONLY FOR SHEETS 16 THRU 27)

GENERAL NOTES:

1. HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE. THIS HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN LIVE AND WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1616 AND 1620 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT FASTENERS AND ANCHORS ON THIS P.A.D. ARE NOT OVERSTRESSED FOR EVERY SINGLE APPLICATION OF THIS SKYLIGHT SYSTEM UNDER THE DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS SHALL NOT BE USED IN THEIR ANALYSIS.
- 1A. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR EVERY PERMIT. DRAWINGS MAY INCLUDE LARGER SKYLIGHT WIDTH, LENGTH AND RISE W/ CORRESPONDING LARGER CROSS SECTION HIPS/RIDGES, BUT PRESSURE RATING AS WELL AS MAX. GLASS PANEL SIZE SHALL NOT EXCEED THOSE INDICATED ON THIS DRAWING. (SEE NOTES 2 AND 11 RESPECTIVELY) THIS P.A.D. COVERS OCTAGONAL PYRAMID SHAPE SKYLIGHTS. OTHER SHAPES/CONFIGURATIONS W/ SLOPED GLASS MAY BE ALSO ACCEPTED, PROVIDED THAT ABOVE MENTIONED CONDITIONS ARE COMPLIED WITH. THE DESIGN OF LARGER COMPONENTS FOR LARGER SKYLIGHTS SHALL BE PERFORMED BY A FLORIDA P.E. AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS. (SEE NOTES 3 & 20).
2. DESIGN PRESSURE RATING AT ROOF IS: +80.0 psf (WINDWARD SIDE), -80.0psf (LEEWARD SIDE). DESIGN PRESSURE RATING AND LARGE MISSILE IMPACT RESISTANCE OBTAINED THRU TESTING AS PER SECTION 1626.2 OF THE FLORIDA BUILDING CODE, PER PROTOCOLS TAS 201, 202, 203, PER AMERICAN TESTING LABORATORY OF SOUTH FLORIDA REPORT # 0519.01-09. WATER AND AIR INFILTRATION TESTING HAS BEEN PERFORMED AS PER PROTOCOL TAS 202, QUALIFYING ASTM E 331 AND ASTM E 283 RESPECTIVELY.
3. STRUCTURAL ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS IS NOT PART OF THIS P.A.D. STRUCTURAL DESIGN OF THE STRUCTURE THAT WILL PROVIDE SUPPORT TO THIS SKYLIGHT SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PROJECT. STRUCTURAL DESIGN SHALL INCLUDE AND TAKE INTO CONSIDERATION THE ACTUAL Vx AND Vy LOADS TRANSFERRED FROM THIS SKYLIGHT TO THE SUPPORT STRUCTURE, BASED ON DEAD, LIVE & WIND LOADS AND USING THE LOAD COMBINATIONS AS PER SECTIONS 2.3 OR 2.4 OF A.S.C.E. 7-05 STANDARD. ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS.
- 
4. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
5. ALL ALUMINUM SHEET SHALL BE ALUMINUM ASSOCIATION 1100-H14 AND 3003-H14 ALLOY AND HARDNESS (SEE DETAILS).
6. ALL SCREWS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES, WITH MIN. TENSILE LOAD CAPACITY Tu=4275# & MIN. ULTIMATE SHEAR LOAD CAPACITY Su=2700#, PER ASTM B-593 & B-594.
7. ALL ALUMINUM POP RIVETS TO BE 5056 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
8. BOLTS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES WITH 50 ksi Min. YIELD STRENGTH AND 90 ksi Min. TENSILE STRENGTH, PER ASTM B-593 AND B-594.
9. GLAZING SYSTEM SHALL COMPRISE OF THE FOLLOWING COMPONENTS:
- 9.1. 3/8"x5/8" SGT 1 STRUCTURAL GLAZING TAPE FOR LAMINATED GLASS AND 1/4"x5/8" SGT 1 STRUCTURAL GLAZING TAPE FOR INSULATED GLASS, ON INTERIOR AND EXTERIOR SIDE OF GLASS.
- 9.2. (2) EXTRUDED ALUMINUM 3/16" GLAZING STOPS WERE INSERTED INTO THE SILL EXTRUSION (35S) AT 1/4" POINTS UNDER GLASS.
- 9.3. STRUCTURAL SILICONE FOR GLASS SEALANT AT SILL AND SLOPPED MULLIONS TO BE DOW CORNING 995 SILICONE STRUCTURAL ADHESIVE.
- 9.4. (2) BLACK THERMOPLASTIC RUBBER 1 1/4" GLAZING BUMPERS AT BOTTOM OF GLASS, LOCATED AT 1/4" POINTS.

10. ALL SPLICED FLASHING (ALUM. APRON) TO BE LAPPED WITH 3" MIN. OVERLAP AND SEALED WITH TREMCO VULKEM SEALANT.
11. GLASS OPTIONS:
- (a) 9/16" LAMINATED GLAZING CONSISTING OF:
1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK MIAMI-DADE COUNTY APPROVED (NOA # 09-312.03) DUPONT SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.
- (b) 1 5/16" INSULATED GLAZING CONSISTING OF:
1/4" THICK CLEAR TEMPERED GLASS +1/2" AIRSPACE W/ ALUMINUM SPACER OVER 9/16" LAMINATED GLASS MADE WITH 1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK MIAMI-DADE COUNTY APPROVED (NOA # 09-312.03) DUPONT SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.
- (c) NOTES: MAX GLASS PANEL D.L.O SIZE IS 25 1/2"WIDE (AT BASE) x 36 7/8" HIGH (PERPENDICULAR TO BASE).
MAX GLASS AREA = 3.270 FT² BETWEEN SUPPORTS.
12. ALL WELDING TO CONFORM TO THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 2004 EDITION REGULATIONS. USE CERTIFIED WELDERS. USE ER-4043 (IF NOT ANODIZED FINISH) OR ER-5356 (IF ANODIZED FINISH) ELECTRODES.
13. ALUMINUM MEMBERS IN CONTACT WITH CONCRETE SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.4 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
14. ALUMINUM MEMBERS IN CONTACT WITH STEEL SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.2 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
15. ALUMINUM MEMBERS IN CONTACT WITH WOOD SHALL BE PROTECTED ACCORDINGLY WITH SECTIONS 2003.8.5 & 2003.8.6 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
16. PAINT, FINISH AND COLOR TO BE SELECTED BY ARCHITECT OF RECORD FOR THE JOB IN COORDINATION W/ WASCO PRODUCTS, INC. AND SHALL COMPLY WITH AAMA 1600 SPECIFICATION, SECTION 3.11.
17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE THIS SKYLIGHT IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. SEE NOTE 3 ABOVE. CONTRACTOR IS TO SEAL/CAULK W/ URETHANE SEALANT ALL SKYLIGHT COMPONENT EDGES AS INDICATED ON THIS DRAWING TO PREVENT WIND/RAIN INTRUSION.
18. SKYLIGHT INSTALLATION SHALL COMPLY WITH SPECS. INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
19. SKYLIGHT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:
WASCO PRODUCTS
SANFORD, MAINE.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.
20. (a) THE PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. PROFESSIONAL OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602-08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44162
STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

DRAWN BY:
M.C.V.

WASCO PRODUCTS, INC.

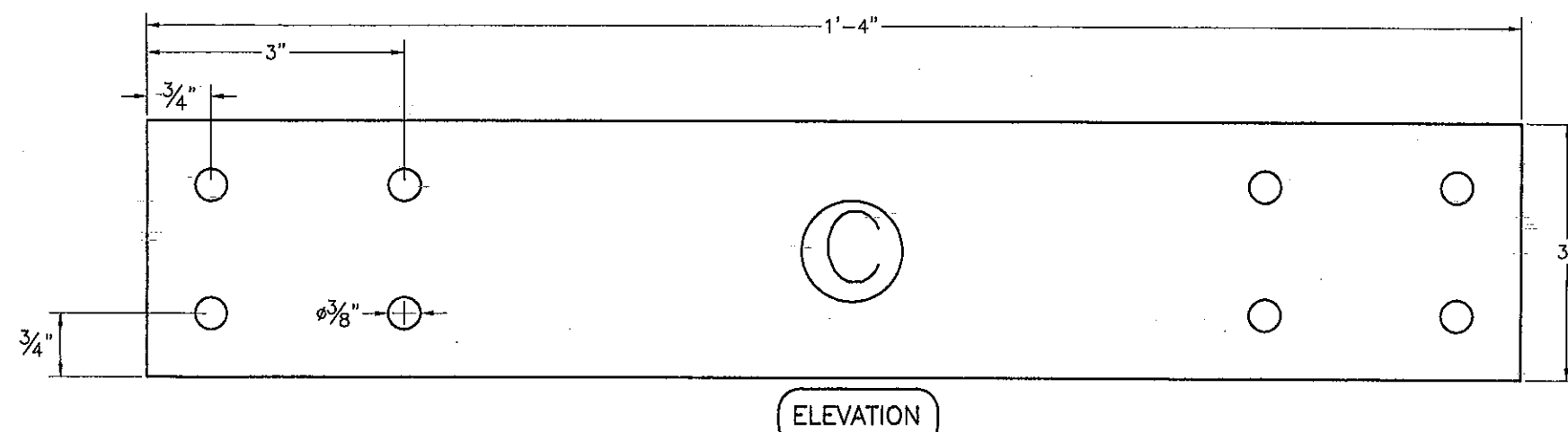
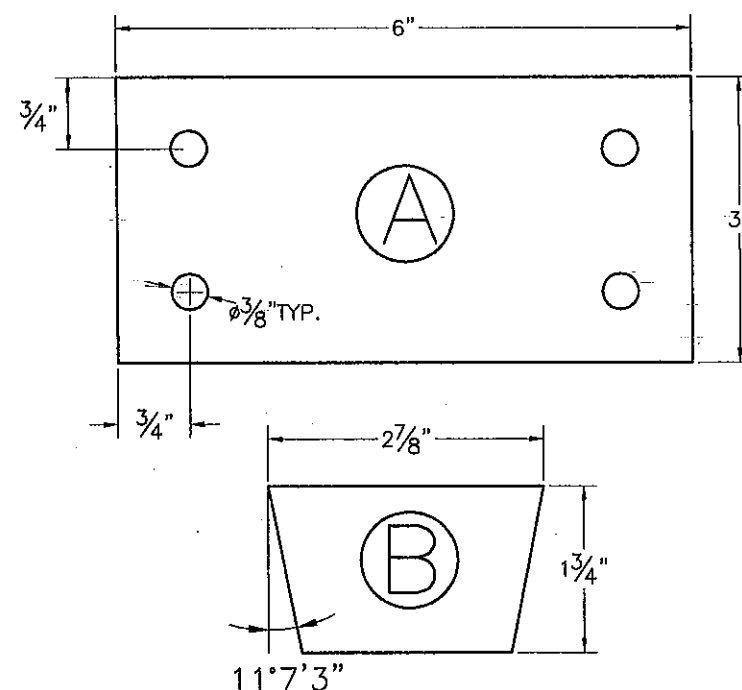
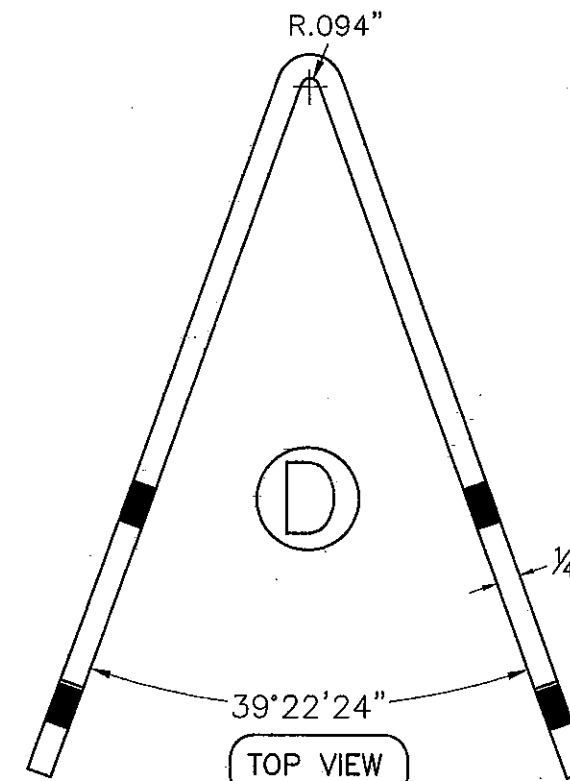
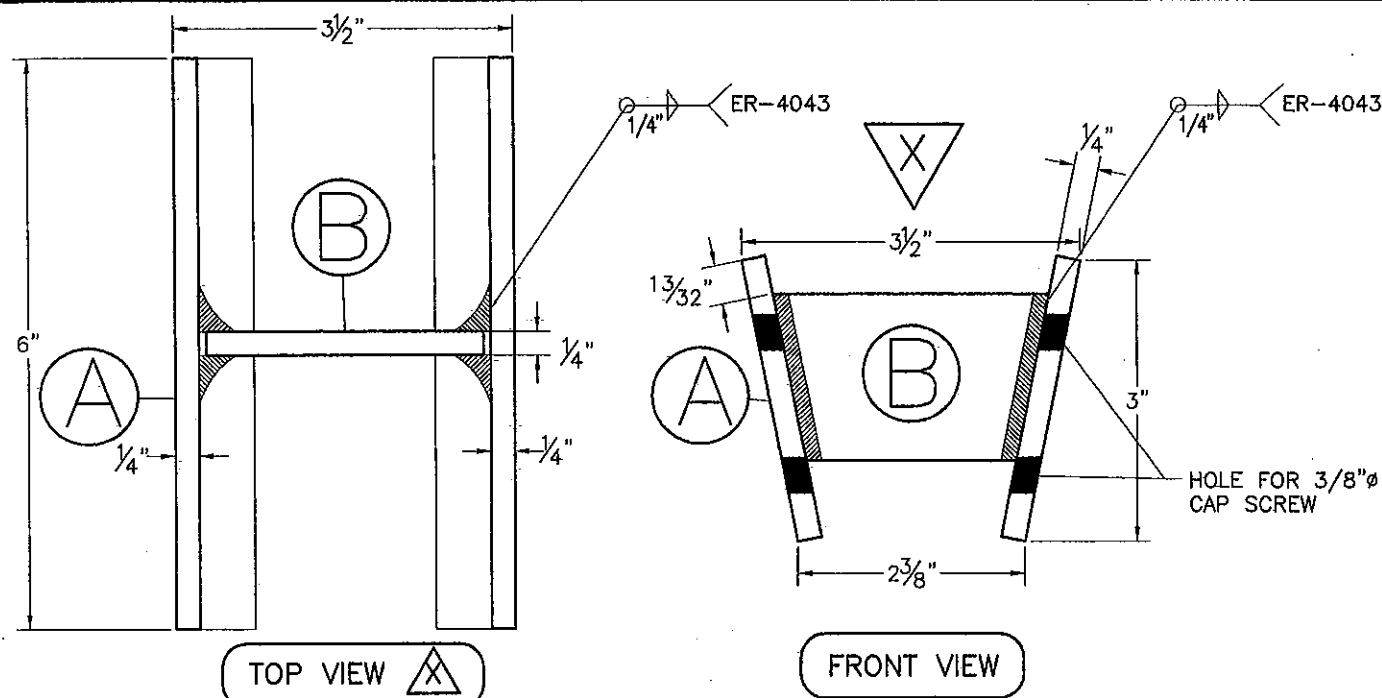
85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

06/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		

SHEET 16 OF 27



USING "C" FORM "D" AFTER DRILLING
& TAPPING FOR 3/8"-16 MACHINE
SCREWS - 8 NEEDED TOTAL AT RIDGE

HIP/RIDGE CLIPS AT RIDGE (3003-H14 ALLOY)

USING .250" PCS. FABRICATE 8 BRACE ASSEMBLIES
AS SHOWN FOR MID-HIP APPLICATION & 8 PCS.
FOR SILL END.
DRILL & TAP FOR 3/8"-16 MACHINE SCREWS.

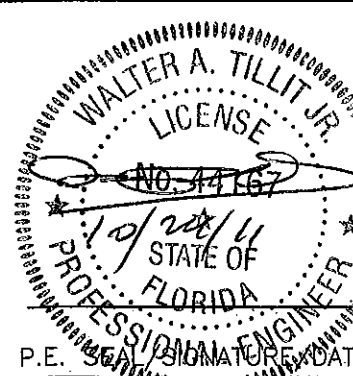
BRACE ASSEMBLY (AL25):3003-H14 ALLOY

COMPONENTS

SCALE: 1/2"=1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602-08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SIGNATURE DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719-
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

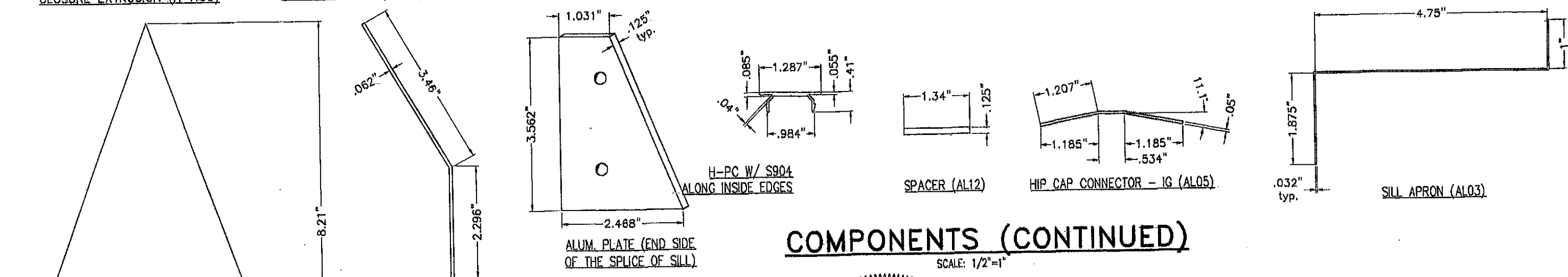
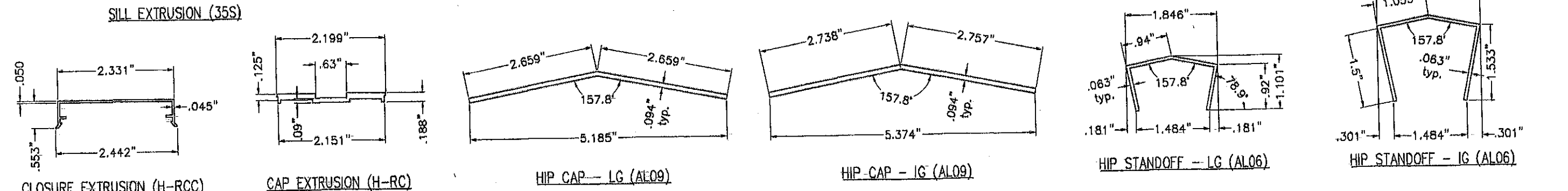
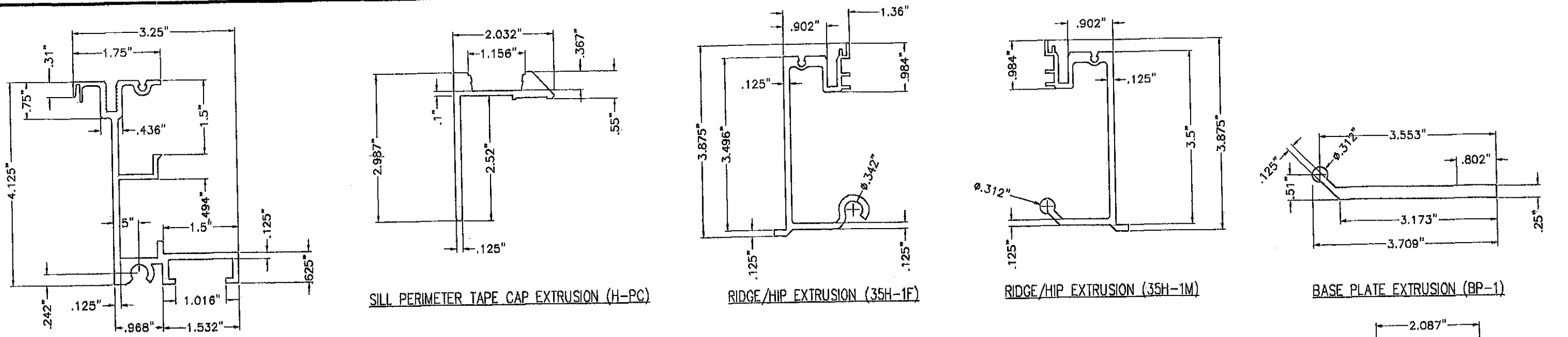
DRAWN BY:
M.C.V.

06/24/10
DATE

10-063
DRAWING No

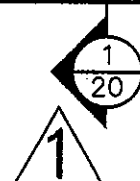
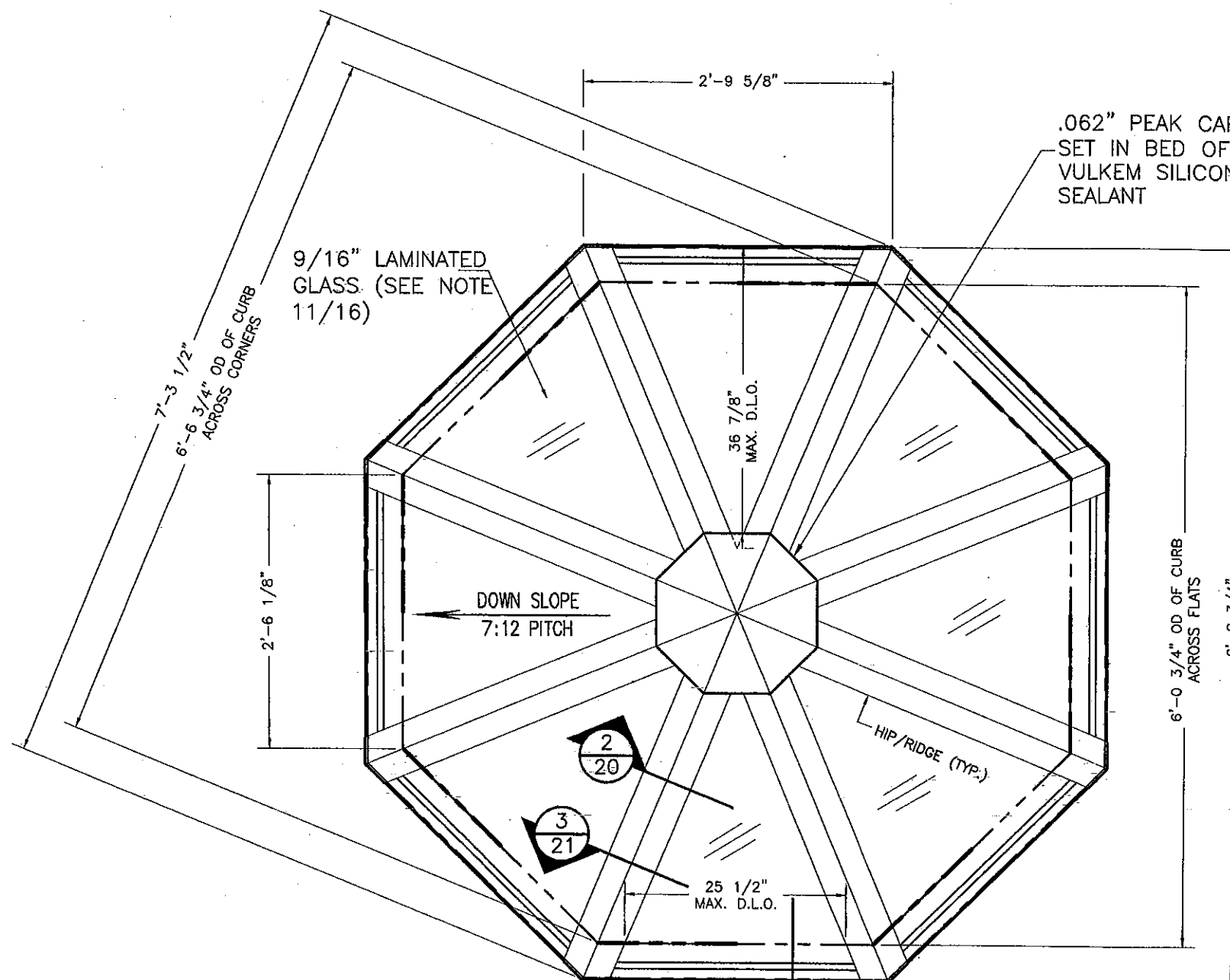
SHEET 17 OF 27

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		



COMPONENTS (CONTINUED) SCALE: 1/2"=1"

<p>PRODUCT REVISED as complying with the Florida Building Code</p> <p>Acceptance No. 11-0602.08</p> <p>Expiration Date 02/22/2012</p> <p>By <i>Walter A. Tillit Jr.</i></p> <p>Miami Dade Product Control</p> <p>MIAMI-DADE COUNTY</p>		<p>WALTER A. TILLIT JR.</p> <p>LICENSE No. 44167</p> <p>STATE OF FLORIDA</p> <p>PROFESSIONAL ENGINEER</p> <p>P.E. SEAL/SIGNATURE/DATE</p>	<p>FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)</p> <p>©2010 TILTECO, INC.</p> <p>TILTECO inc.</p> <p>TILLIT TESTING & ENGINEERING COMPANY</p> <p>6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33186</p> <p>Phone: (305)871-1530, Fax: (305)871-1531</p> <p>e-mail: tilteco@aol.com</p> <p>EB-0008719</p> <p>WALTER A. TILLIT Jr., P.E.</p> <p>FLORIDA Lic. # 44167</p>		<p>"HU-OPY" HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED/INSULATED GLASS.</p> <p>WASCO PRODUCTS, INC.</p> <p>85 SPENCER DRIVE - UNIT A</p> <p>WELLS, ME 04090</p> <p>(207) 216-4529 FAX: (207) 216-4568</p>	<p>DRAWN BY: M.C.V.</p> <p>08/24/10 DATE</p> <p>10-063 DRAWING No</p> <p>SHEET 18 OF 27</p>																	
<p>1 SIDE OF SIDED PEAK CAP</p> <p>1 CAP NEEDED AS SHOWN (.090")</p>		<table border="1"> <thead> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD DWG: 08-173</td> <td>6/24/10</td> <td>2</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>3</td> <td></td> <td></td> </tr> </tbody> </table>				REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD DWG: 08-173	6/24/10	2			2			3		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																		
1	OLD DWG: 08-173	6/24/10	2																				
2			3																				



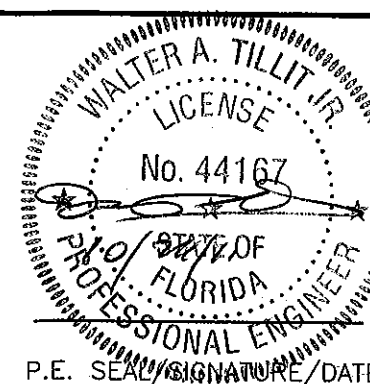
TYPICAL ROOF FRAMING PLAN

SCALE: 3/4"=1'-0"

LAMINATED GLASS CASE
(9/16" L.G.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 02/22/2012
By *Heather A. Miller*
Miami Dade Product Control

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 Fax : (305)871-1531
e-mail: tiltco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

DRAWN BY:
M.C.V.

WASCO PRODUCTS, INC.

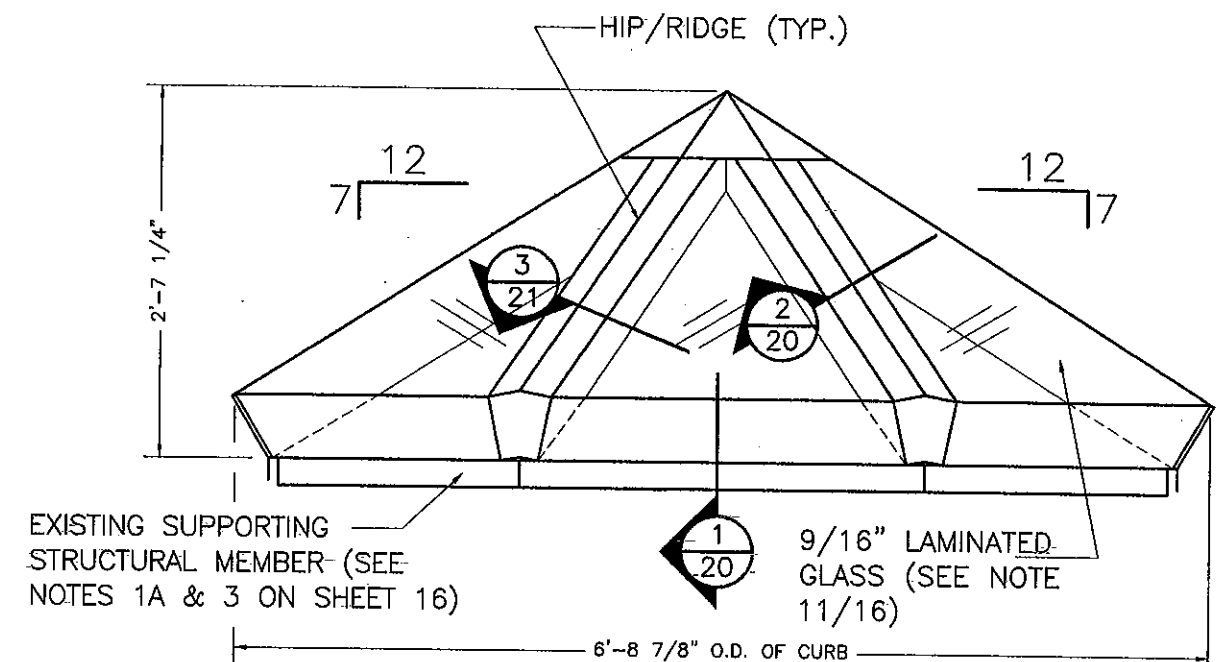
85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4528 FAX: (207) 216-4566

08/24/10
DATE

10-063
DRAWING No-

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	8/24/10	3		
2			4		

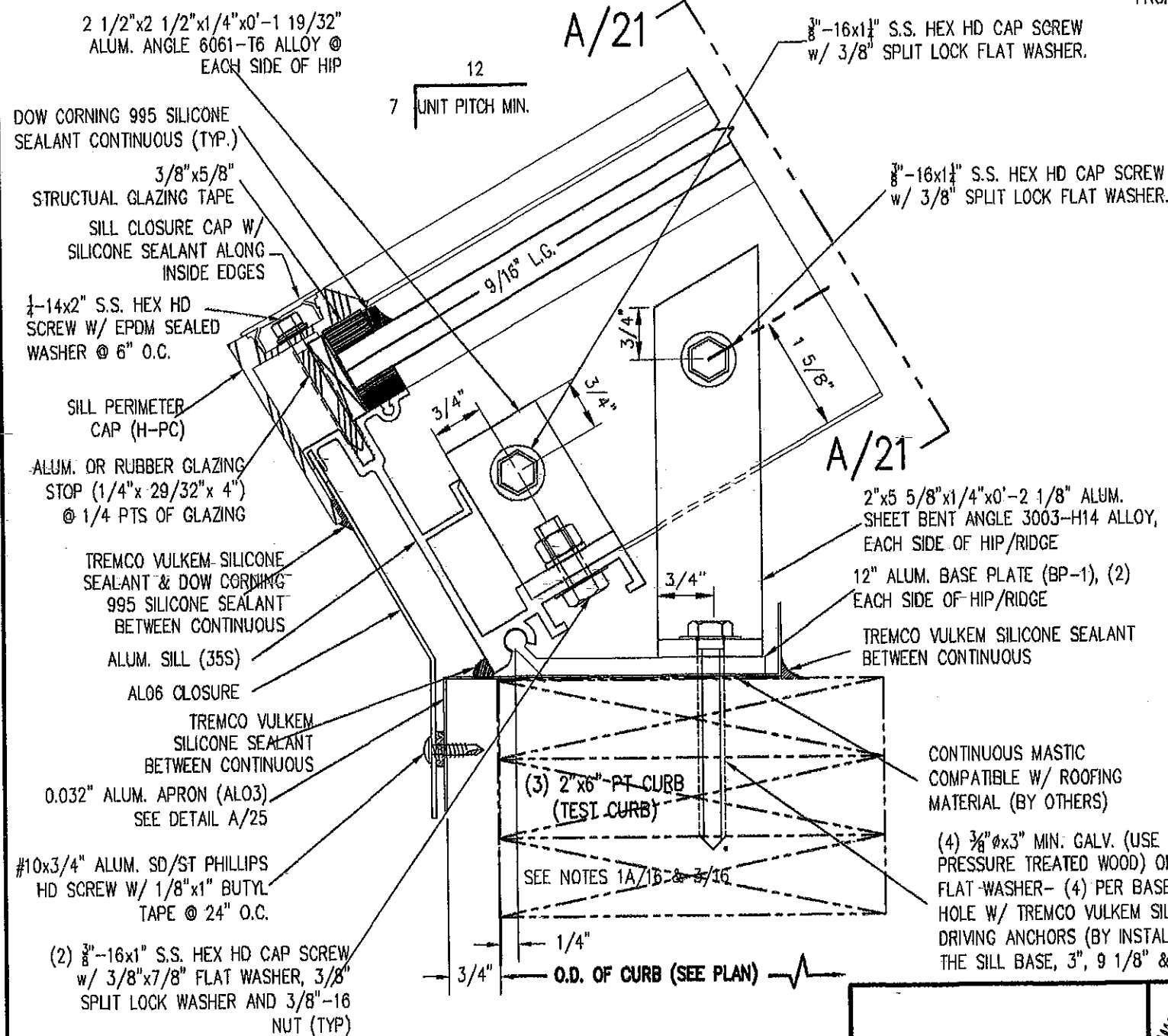
SHEET 19 OF 27



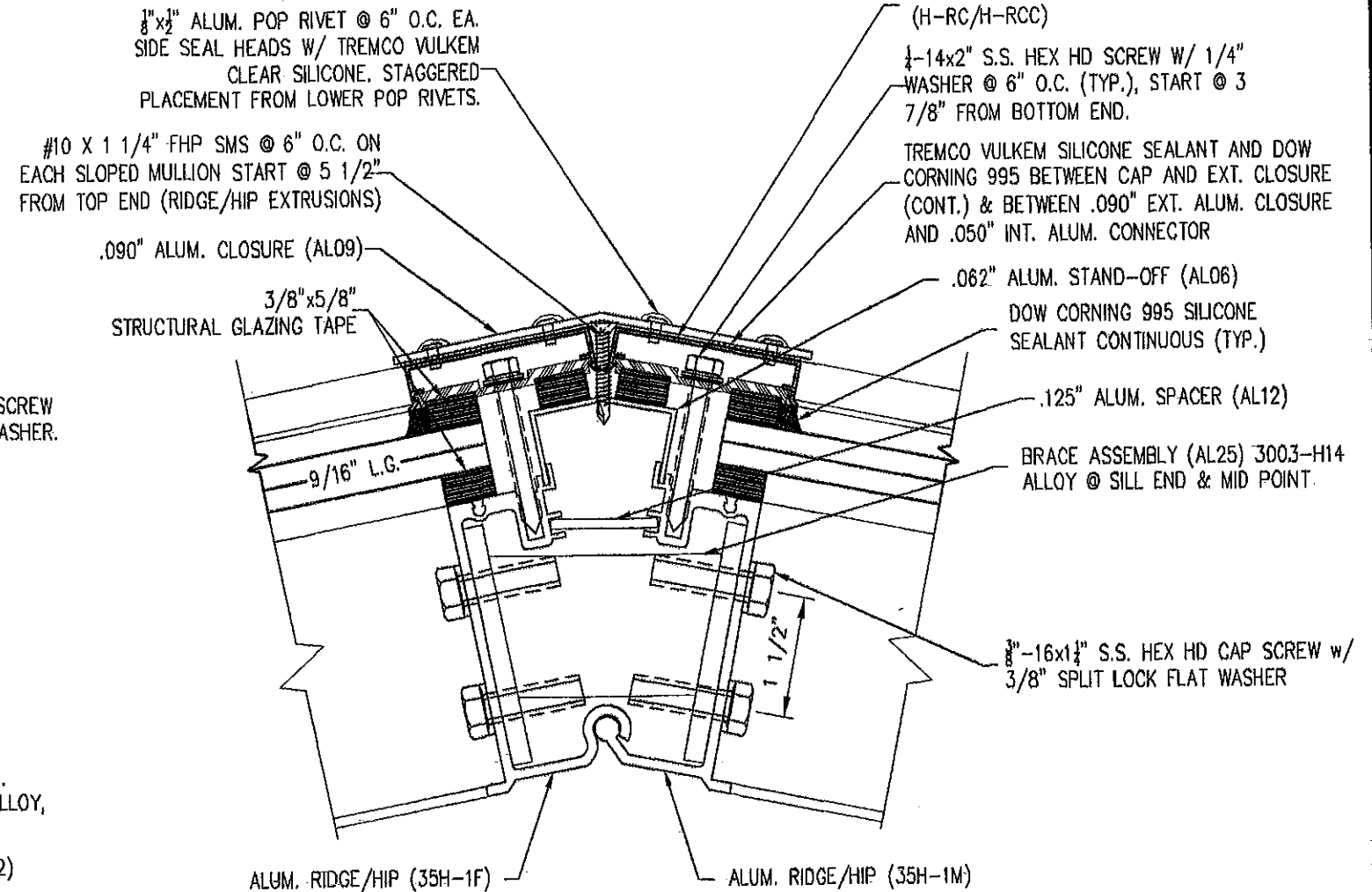
ELEVATION 1

SCALE: 1/2"=1'-0"

INSTALLATION NOTE: SPECIAL CARE MUST BE TAKEN TO FOLLOW INSTALLATION DETAILS TO THE LETTER. FAILURE TO DO SO MAY CAUSE UNIT FAILURE DURING THE EXTREME CONDITIONS FOR WHICH IT IS DESIGNED.



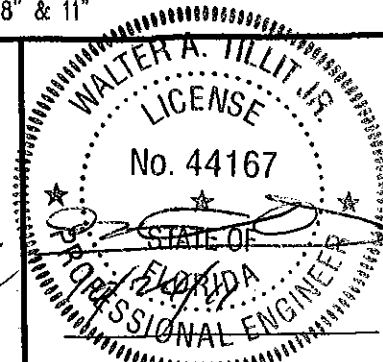
1 SILL SECTION (LG)
SCALE: 6"=1'-0"



2 HIP SECTION @ MID-POINT (LG)
SCALE: 6"=1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 871-1530, Fax: (305) 871-1531
e-mail: tilteco@aol.com
EB-0008719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4528 FAX: (207) 216-4588

DRAWN BY:
M.C.V.

08/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 05-173	8/24/10	3		
2			4		

SHEET 20 OF 27

SEE DETAIL 2/20 FOR COMPONENTS NOT IDENTIFIED

#10 X 1 1/4" FHP SMS @ 6" O.C. ON EACH SLOPED MULLION START @ 5 1/2" FROM TOP END (RIDGE/HIP EXTRUSIONS)

BRACE ASSEMBLY (AL25)
@ SILL END & @ MID POINT

3/8"-16x1 1/4" S.S. HEX HD CAP SCREW w/
3/8" SPLIT LOCK FLAT WASHER.

3/8"-16x1 1/4" S.S. HEX HD CAP SCREW w/
3/8" SPLIT LOCK FLAT WASHER.
(BEYOND)

(2) 3/8"-16x1" S.S. HEX HD CAP SCREW
w/ 3/8"x7/8" FLAT WASHER, 3/8" SPLIT
LOCK WASHER AND 3/8"-16 NUT (TYP)

2 1/2"x2 1/2"x1/4"x0'-1 19/32"
ALUM. ANGLE 6061-T6 ALLOY (TYP)

ALUM. SILL 35S

2"x5 11/32"x1/4"x0'-2 3/32"
ALUM. SHEET BENT ANGLE
3003-H14 ALLOY

12" ALUM. BASE PLATE (BP-1),
(2) EACH SIDE OF HIP/RIDGE

FLASHED CURB
(BY OTHERS)

12" ALUM. BASE PLATE (BP-1)

2"x5 5/8"x1/4"x0'-2 3/32"
ALUM. SHEET BENT ANGLE
3003-H14 ALLOY

(4) 3/8"Øx3" MIN. GALV. (USE S.S. IF PENETRATING
INTO PRESSURE TREATED WOOD) OR S.S. LAG SCREW
w/ 3/8" FLAT WASHER- (4) PER BASE PLATE
(BP-1) FILL PILOT HOLE W/ TREMCO VULKEM
SILICONE SEALANT PRIOR TO DRIVING ANCHORS (BY
INSTALLER), START 1" FROM END OF THE SILL BASE,
3", 9 1/8" & 11"

3 SILL/HIP ATTACHMENT SECTION
21 SCALE: 1/2"=1"

SECTION A-A

1/8"x1/2" ALUM. POP RIVET @ 6" O.C. EA.
SIDE SEAL HEADS W/ TREMCO VULKEM
CLEAR SILICONE. STAGGERED
PLACEMENT FROM LOWER POP RIVETS.

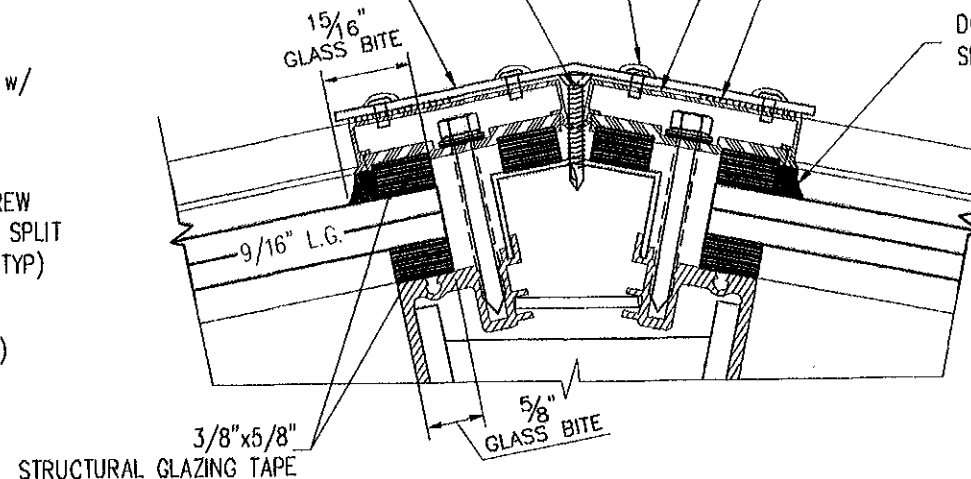
#10 X 1 1/4" FHP SMS @ 6" O.C. ON EACH
SLOPED MULLION START @ 5 1/2" FROM TOP
END (RIDGE/HIP EXTRUSIONS)

.090" ALUM. CLOSURE (AL09)

ALUM. CAP & CLOSURE
(H-RC/H-RCC)

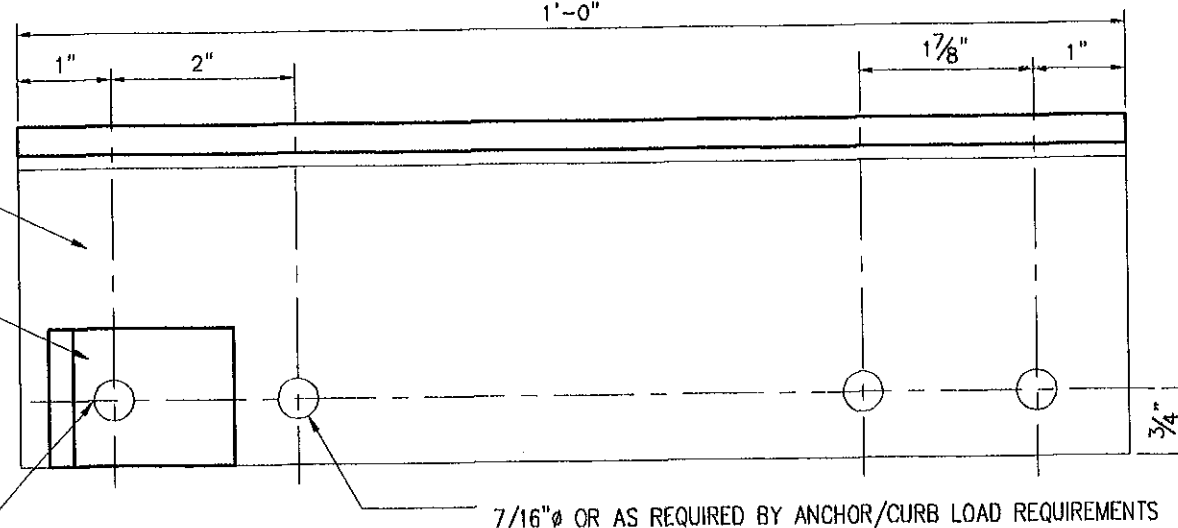
TREMCO VULKEM SILICONE SEALANT AND
DOW CORNING 995 BETWEEN CAP AND
EXT. CLOSURE (CONT.) & BETWEEN .090"
EXT. ALUM. CLOSURE AND .050" INT.
ALUM. CONNECTOR

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)



GLAZING DETAIL

SCALE: 1/2"=1"
1'-0"



SECTION X-X

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 02/22/2012
By *Helmut A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
SCALE: 1/2"=1"

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

DRAWN BY:
M.C.V.

WASCO PRODUCTS, INC.

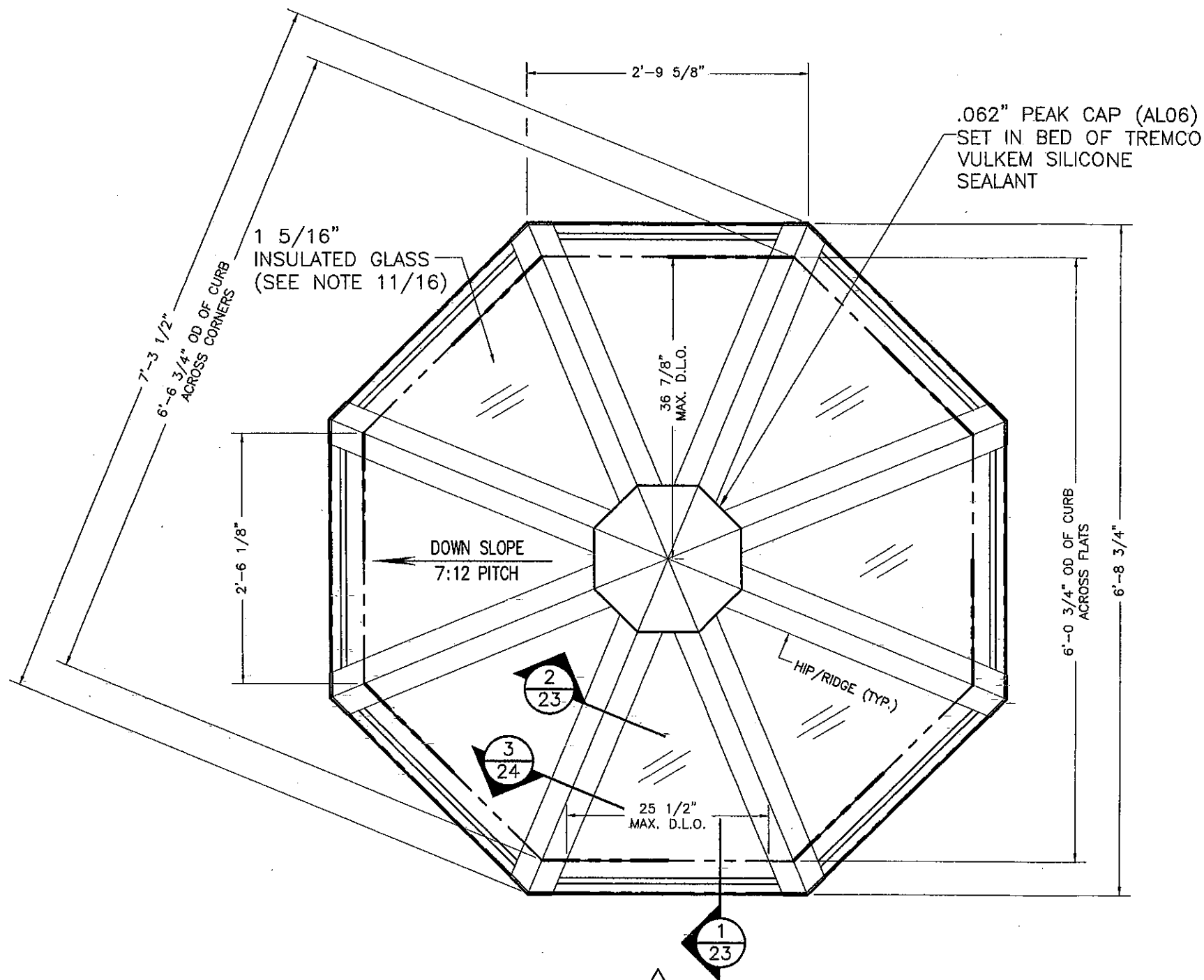
85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 218-4529 FAX: (207) 218-4588

06/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	8/24/10	3		
2			4		

SHEET 21 OF 27



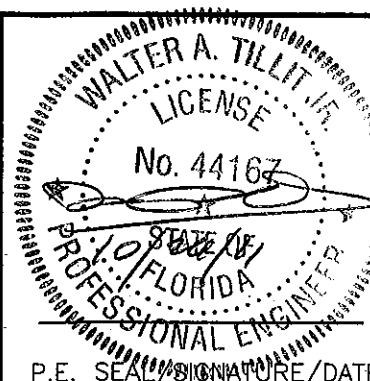
TYPICAL ROOF FRAMING PLAN

SCALE: 3/4"=1'-0"

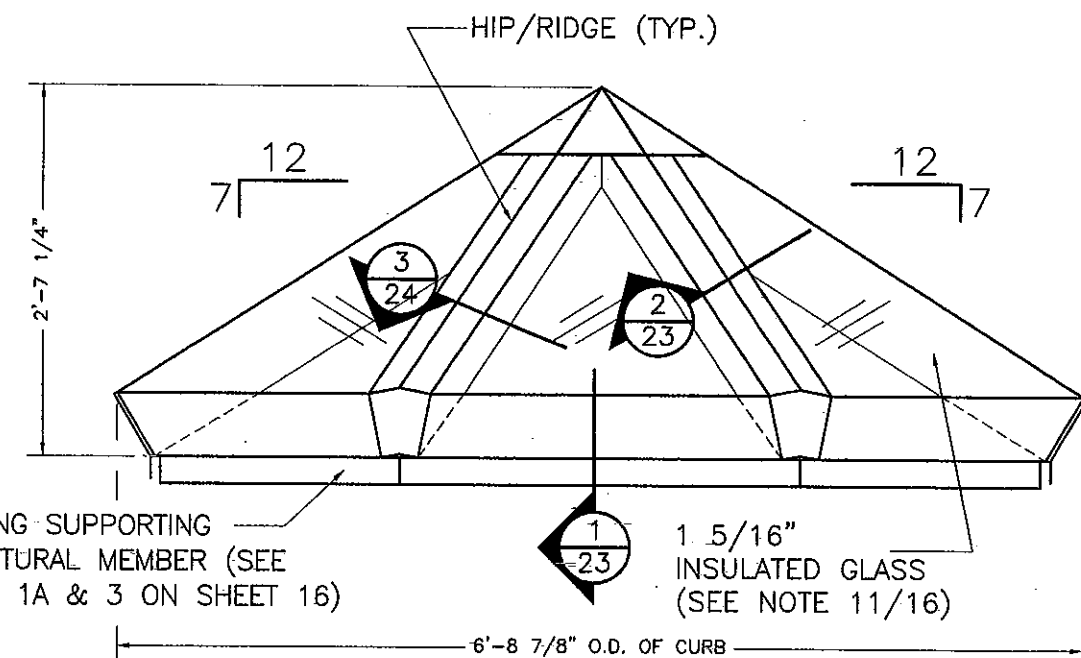
INSULATED GLASS CASE
(1 5/16" I.G.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602-08
Expiration Date 07/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE



ELEVATION 1

SCALE: 3/4"=1'-0"

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

DRAWN BY:
M.C.V.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

06/24/10
DATE

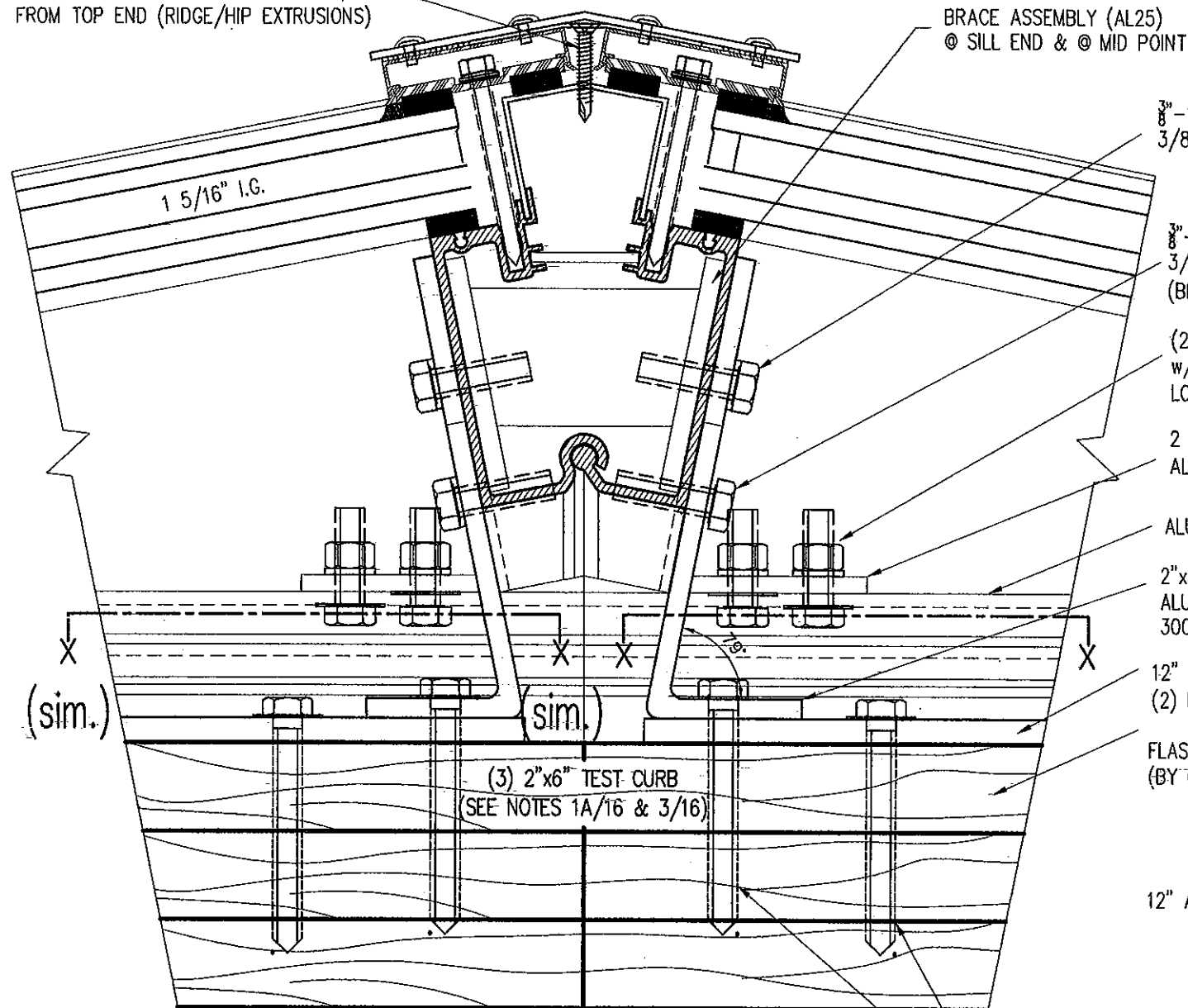
10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		

SHEET 22 OF 27

SEE DETAIL 2/20 FOR COMPONENTS NOT IDENTIFIED

#10 X 1 1/4" FHP SMS @ 6" O.C. ON EACH SLOPED MULLION START @ 5 1/2" FROM TOP END (RIDGE/HIP EXTRUSIONS)



3/24 SILL/HIP ATTACHMENT SECTION
SCALE: 1/2"=1"

SECTION A-A

1/8" x 1/2" ALUM. POP RIVET @ 6" O.C. EA. SIDE SEAL HEADS W/ TREMCO VULKEM CLEAR SILICONE. STAGGERED PLACEMENT FROM LOWER POP RIVETS.

#10 X 1 1/4" FHP SMS @ 6" O.C. ON EACH SLOPED MULLION START @ 5 1/2" FROM TOP END (RIDGE/HIP EXTRUSIONS)

.090" ALUM. CLOSURE (AL09)

15/16" GLASS BITE

1 5/16" I.G.

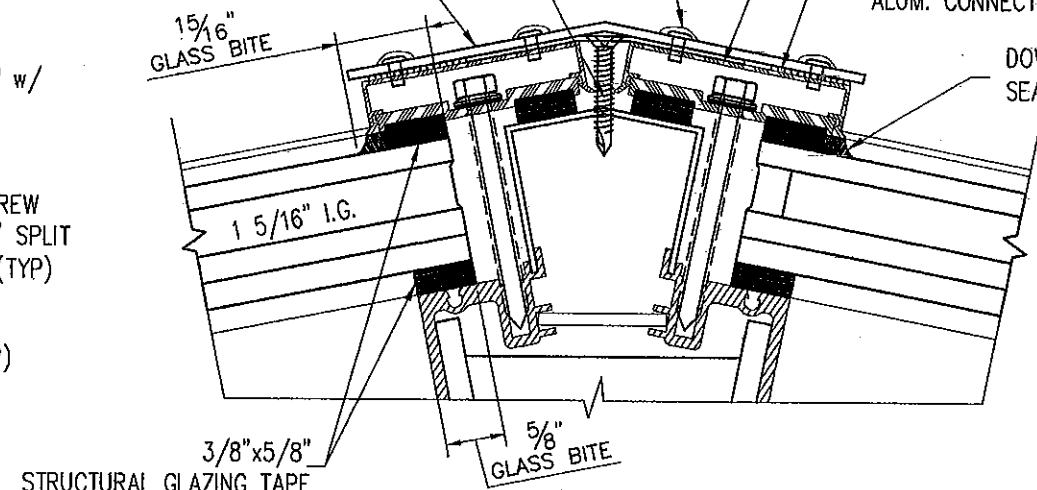
3/8" x 5/8" STRUCTURAL GLAZING TAPE

5/8" GLASS BITE

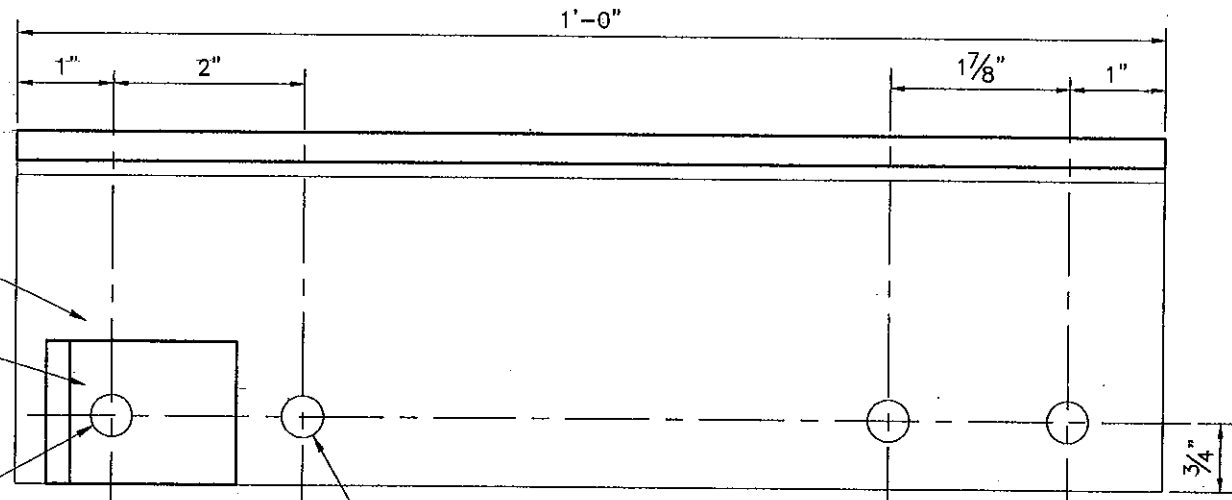
ALUM. CAP & CLOSURE (H-RC/H-RCC)

TREMCO VULKEM SILICONE SEALANT AND DOW CORNING 995 BETWEEN CAP AND EXT. CLOSURE (CONT.) & BETWEEN .090" EXT. ALUM. CLOSURE AND .050" INT. ALUM. CONNECTOR

DOW CORNING 995 SILICONE SEALANT CONTINUOUS (TYP.)



GLAZING DETAIL
SCALE: 1/2"=1"



7/16" Ø OR AS REQUIRED BY ANCHOR/CURB LOAD REQUIREMENTS
SECTION X-X
SCALE: 1/2"=1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602.08
Expiration Date 02/22/2012
By *Heather A. Miller*
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305) 871-1530 Fax : (305) 871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

DRAWN BY:
M.C.V.

WASCO PRODUCTS, INC.

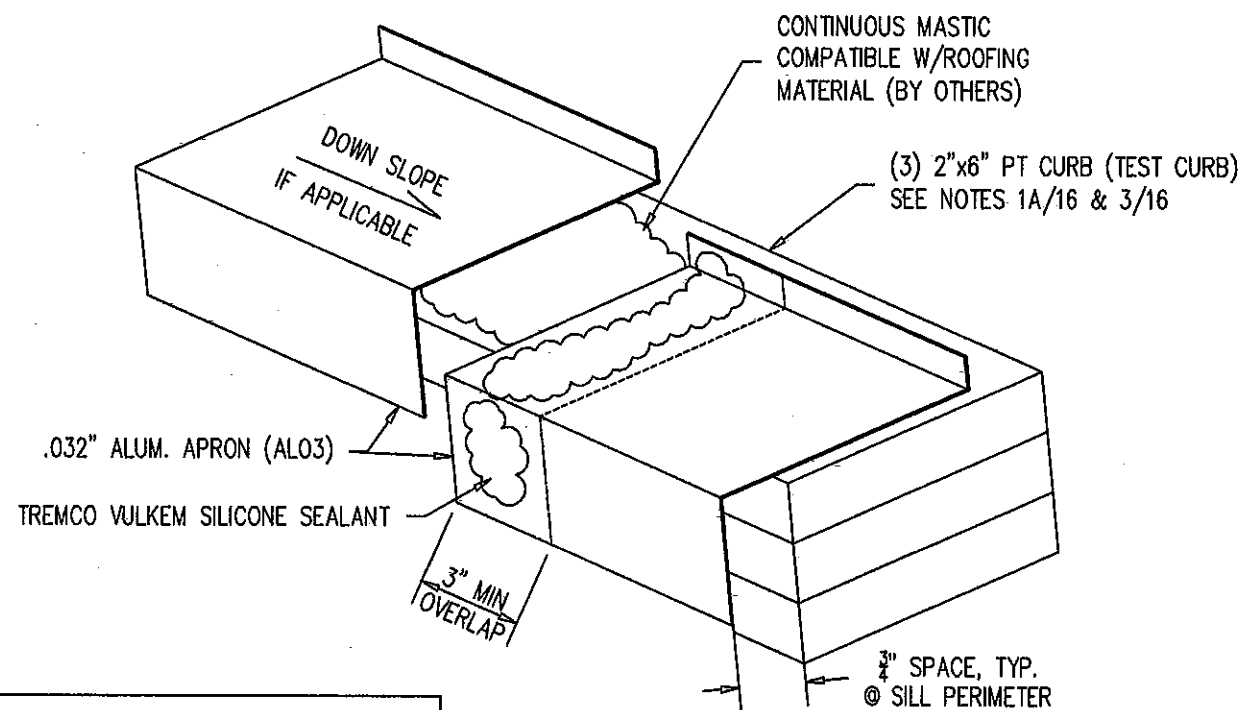
85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4568

06/24/10
DATE

10-063
DRAWING No

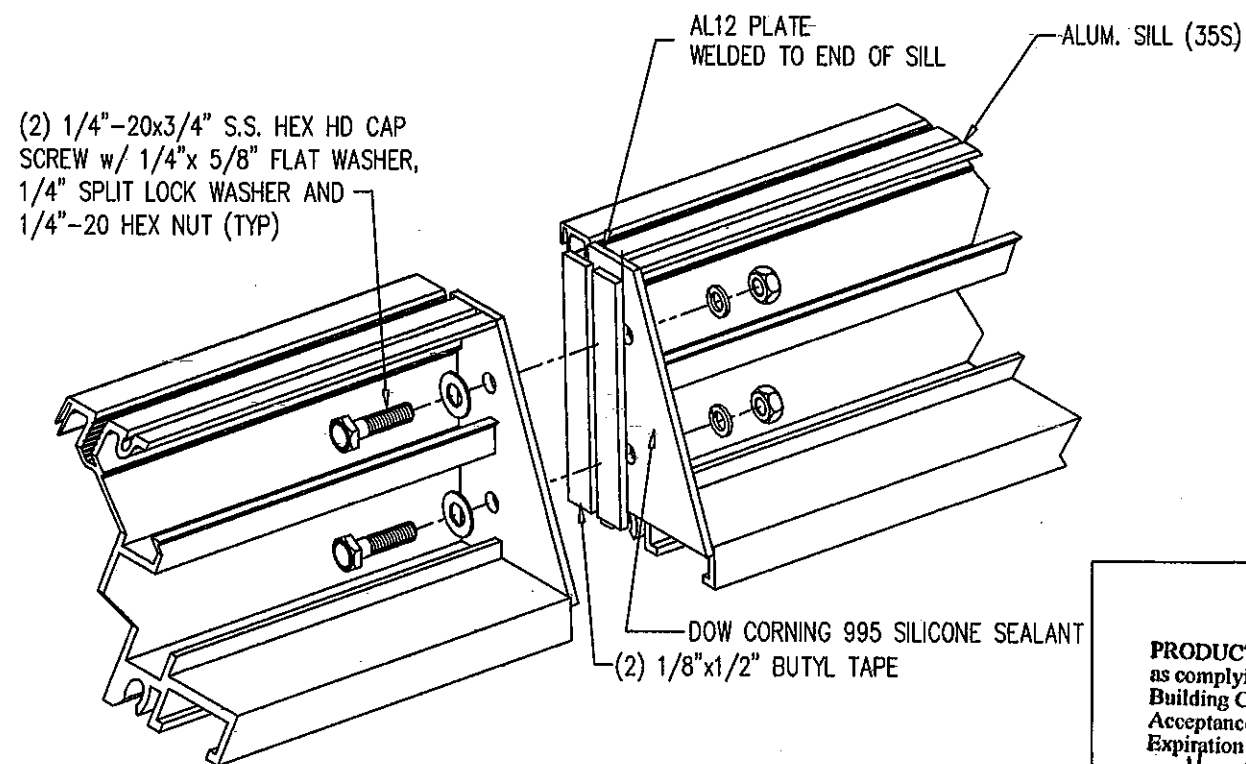
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2			4		

SHEET 24 OF 27



WASCO RECOMMENDS THAT ALL SPLICE SURFACES BE CLEANED WITH XYLENE (TO BE FURNISHED BY OTHERS) BEFORE APPLYING TREMCO VULKEM SILICONE SEALANT

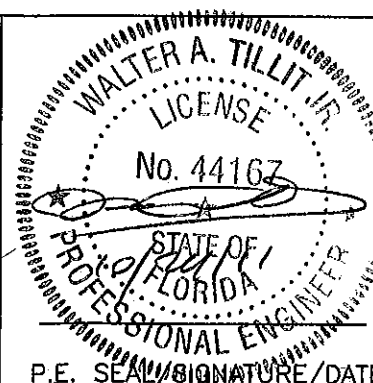
A APRON SPLICE DETAIL
SCALE: N.T.S.



B SILL SPLICE DETAIL
SCALE: N.T.S.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0602-08
Expiration Date 02/22/2012
By Walter A. Tillit Jr.
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6335 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1630 . Fax : (305)871-1531
e-mail: tillitco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

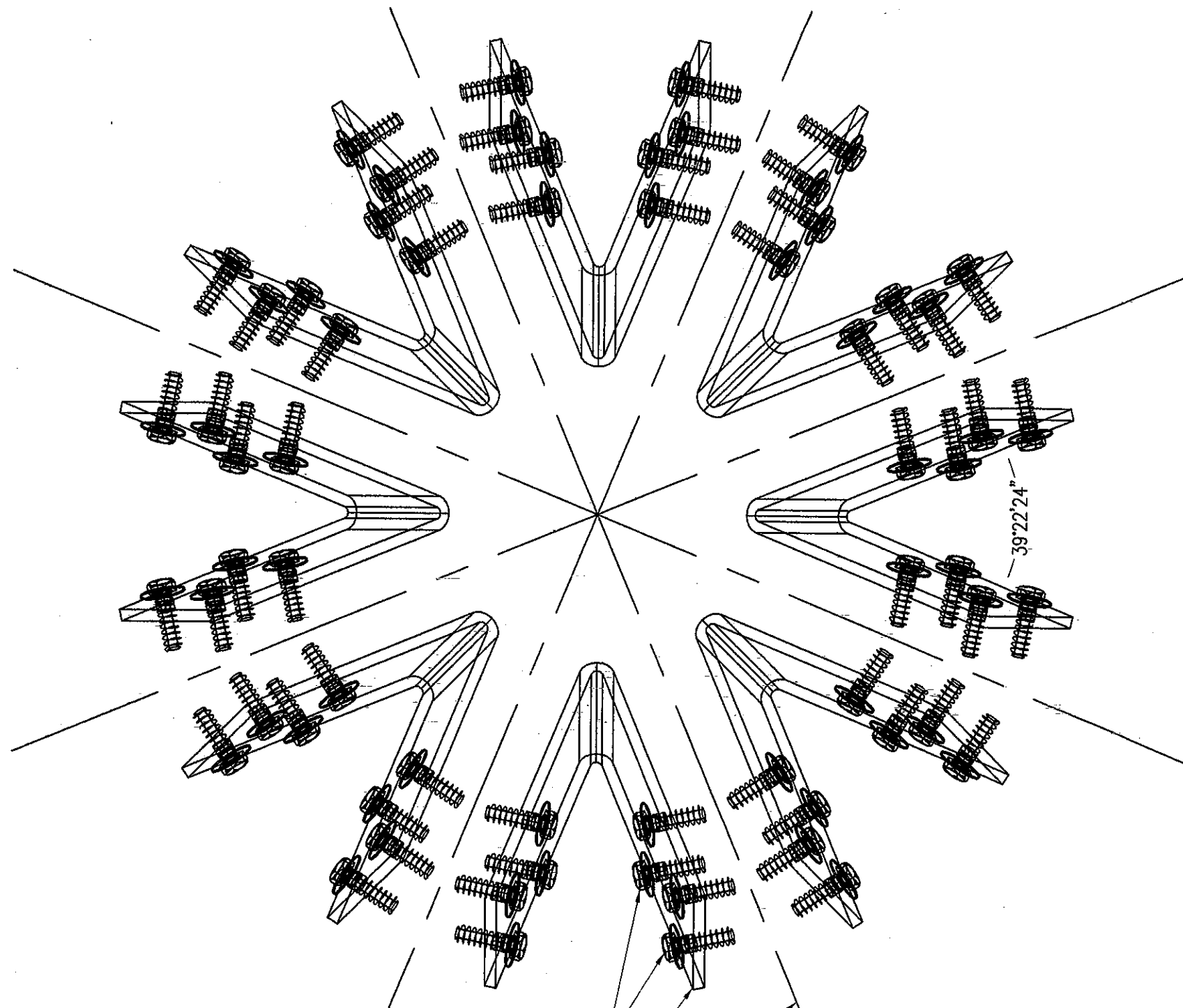
DRAWN BY:
M.C.V.

08/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	8/24/10	2		
2			4		

SHEET 25 OF 27



(4) 3/8"-16x1 1/4" HH CAP MS
W/ 3/8" WASHER SPLIT LOCK

1/4" ALUM
FORMED CLIPS (SEE SHEET 17)

CENTERLINE OF
HIP ASSEMBLY

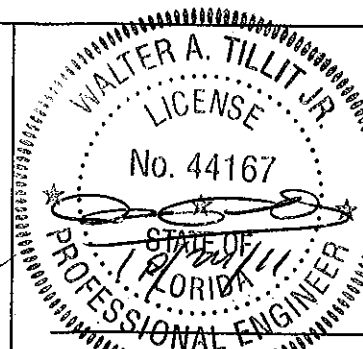
CONNECTION DETAIL HIP/RIDGE CLIPPING AT
RIDGE (SEE SHEET 27)

(PLAN)

FRAMING COMPONENTS REMOVED FOR CLARITY

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0602.08
Expiration Date 02/22/2012
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO inc.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1630 Fax : (305)871-1631
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

DRAWN BY:
M.C.V.

WASCO PRODUCTS, INC.

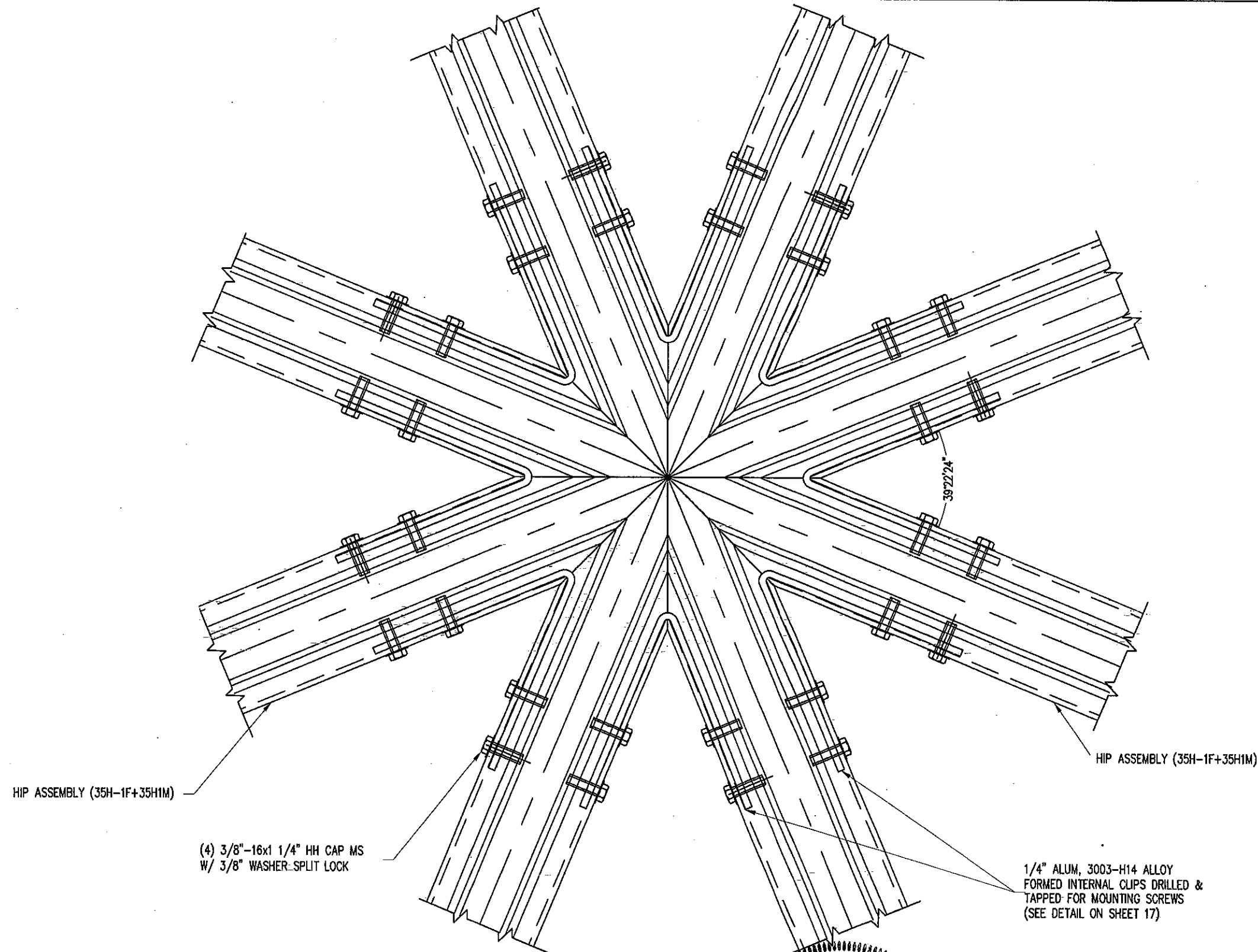
85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

06/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 06-173	6/24/10	3		
2	-	-	4		

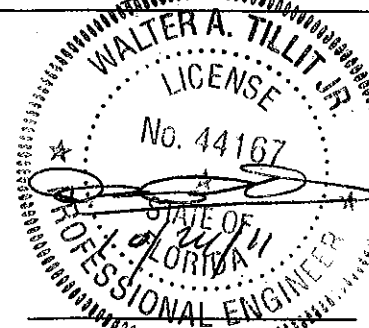
SHEET 26 OF 27



FRAMING CONNECTION FOR HIP/RIDGE AT RIDGE (PLAN)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **11-0602.08**
Expiration Date **02/22/2012**
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2010 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

DRAWN BY:
M.C.V.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4528 FAX: (207) 216-4588

06/24/10
DATE

10-063
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DWG: 08-173	6/24/10	3		
2			4		

SHEET 27 OF 27.